

PHILADELPHIA COLLEGE OF OSTEOPATHIC MEDICINE



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ANNOUNCEMENT

1960 - 1961

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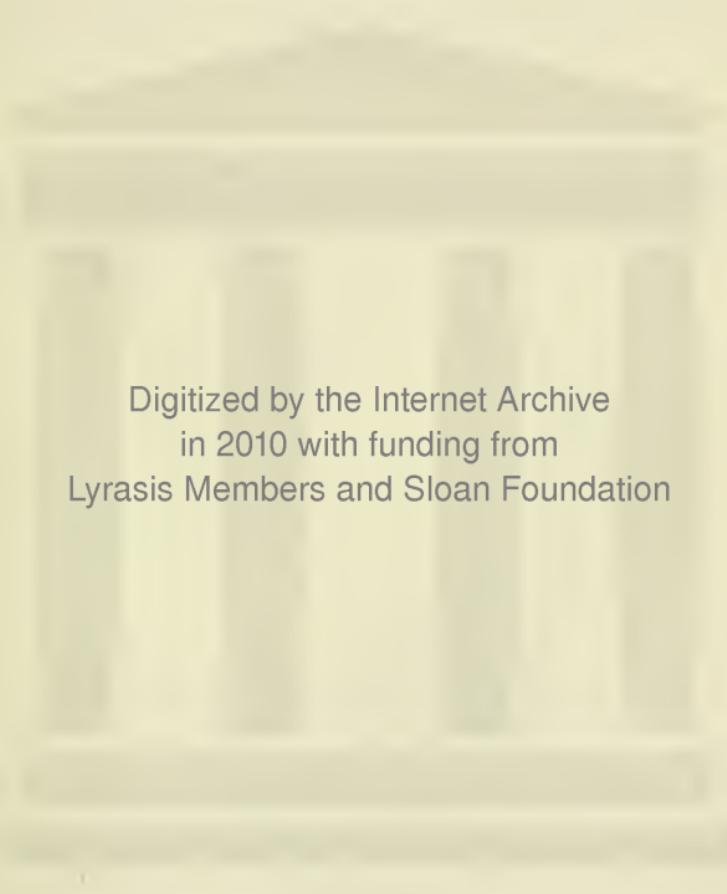
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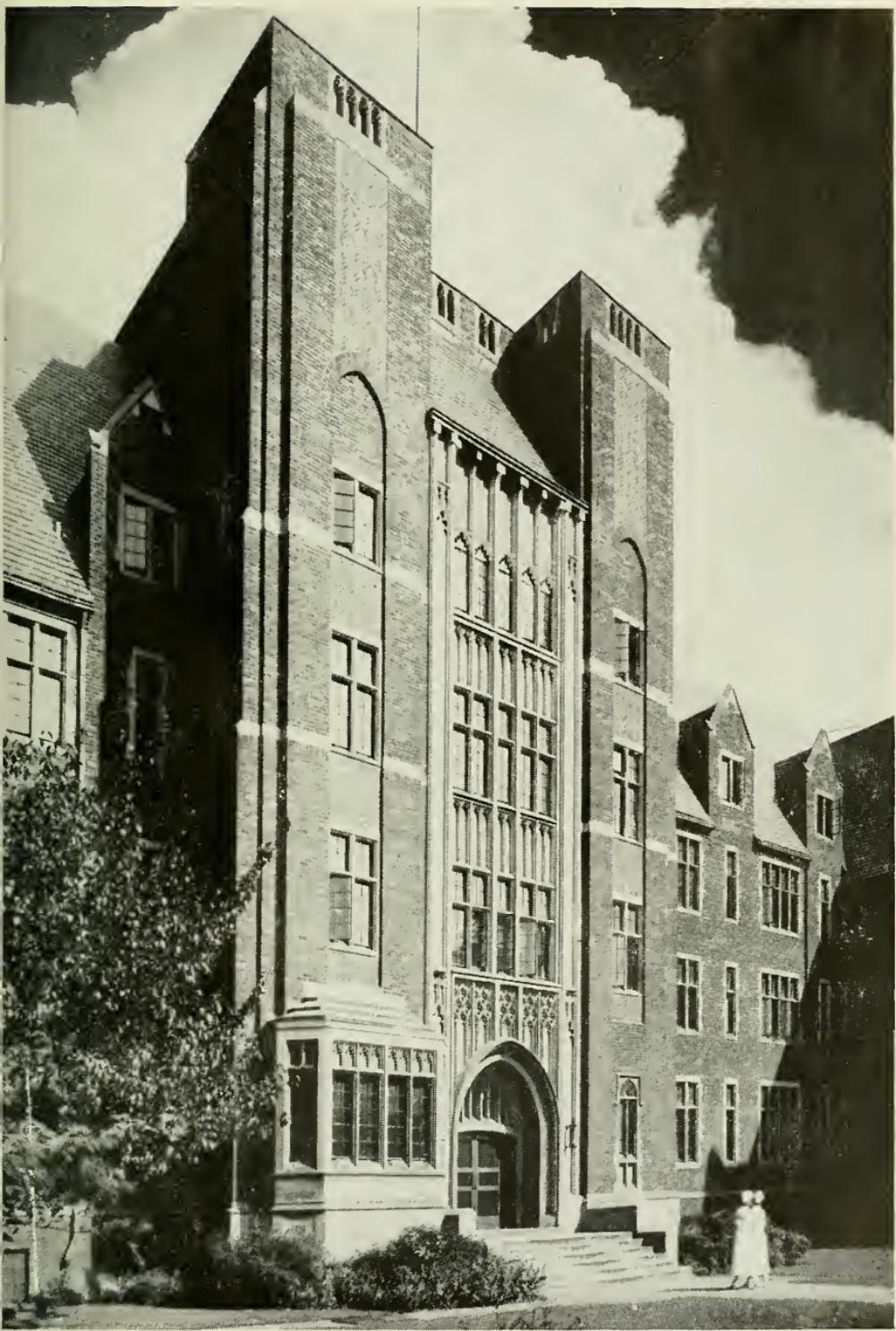


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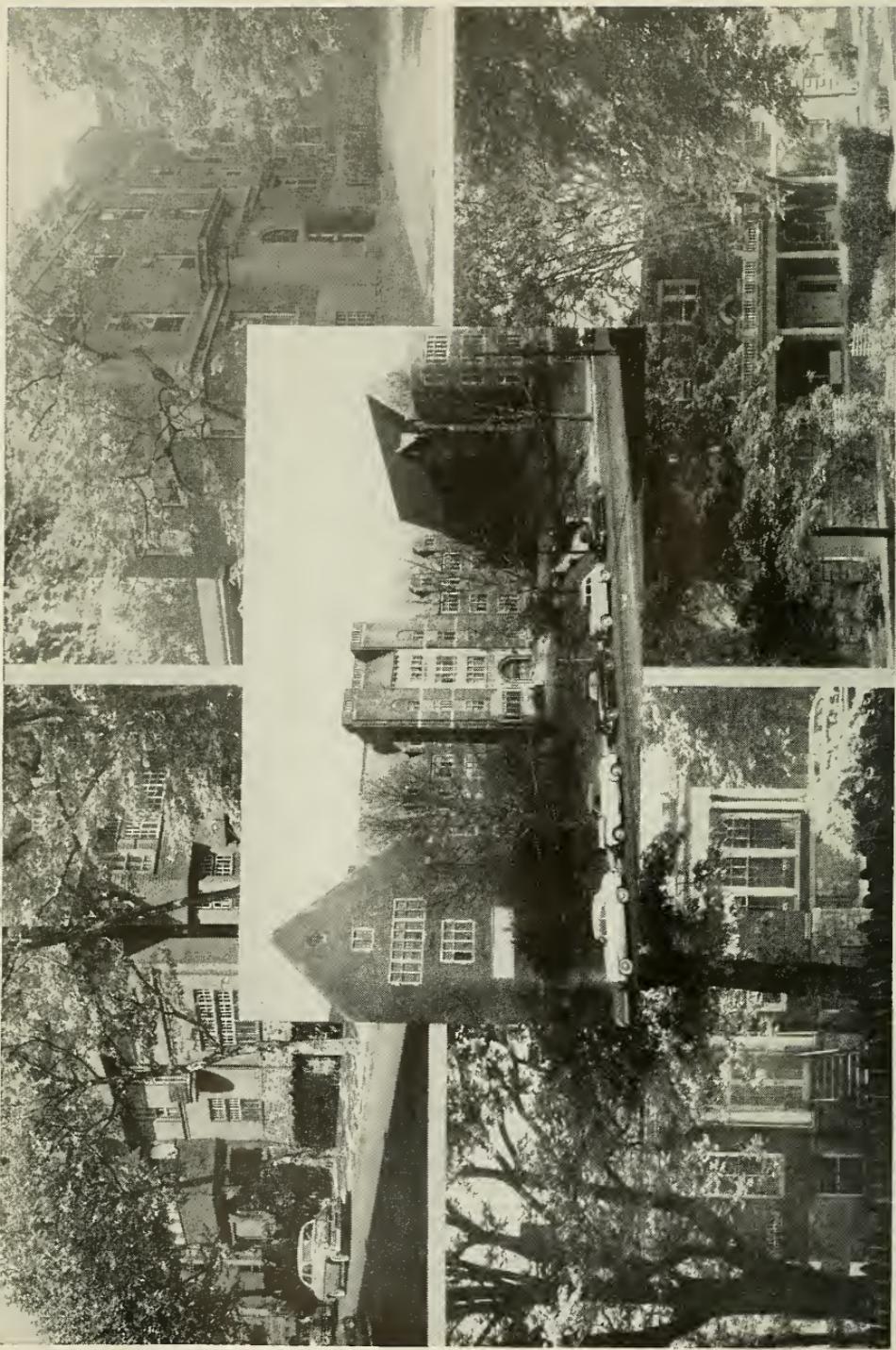
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PHILADELPHIA COLLEGE OF OSTEOPATHY

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MAIN GATE—NORTH    WEST PHILADELPHIA COLLEGE-HOSPITAL    SARGENT BUILDING—NORTH  
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# Philadelphia College of Osteopathy

SPRUCE STREET AT 48TH

PHILADELPHIA 39, PA.



*Announcement of Courses*

1960-1961





## *The Purpose of* Philadelphia College Of Osteopathy

is to establish, conduct and maintain a college and related schools, clinics, laboratories and hospitals which shall formulate and impart instruction and training in the art, science and practice of medicine, surgery, obstetrics and the healing art in accordance with the osteopathic concept of etiology, diagnosis, prevention and treatment of disease.

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The college is approved by the American Osteopathic Association upon recommendation for accreditation by its Bureau of Professional Education, the recognized accrediting agency for the approval of colleges preparing osteopathic physicians and surgeons, and by the Department of Public Instruction, Commonwealth of Pennsylvania.



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# Calendar — 1960-61

## 1960

June	12, Sun.	Commencement
June	13, Mon.	Summer term begins at 8:00 A.M. (Fourth Year Class only)
Sept.	13, Tues.	Registration, Fall Term— (First tuition payment due) 1st Year Class—10:00 A.M. to 12 Noon 2nd Year Class—1:00 P.M. to 3:00 P.M.
Sept.	14, Wed.	Registration, Fall Term— (First tuition payment due) 3rd Year Class—10:00 A.M. to 12 Noon 4th Year Class—1:00 P.M. to 3:00 P.M.
		Summer Term ends First Year Class Orientation—8:00 P.M. College Auditorium

## First Term — 1960

Sept.	15, Thurs.	Fall Term begins at 8:00 A.M.
		Convocation, 11:00 A.M.—College Auditorium
Nov.	17, Thurs.	Fall Term ends at close of classes
Nov. 18 to Dec. 3, inc.*		Fall Term Final Examinations (* excluding Thanksgiving Holiday—Nov. 24 to 27 inc.)

## Second Term — 1960

Dec.	5, Mon.	Winter Term begins at 8:00 A.M. (Second tuition payment due)
Dec.	17, Sat.	Christmas Recess begins at close of classes

## 1961

Jan.	3, Tues.	Christmas Recess ends at 8:00 A.M.
Jan.	28, Sat.	Founder's Day Convocation—10:30 A.M. College Auditorium
Feb.	25, Sat.	Winter Term ends at the close of classes
Feb. 27 to March 11, inc.		Winter Term Final Examinations

## Third Term — 1961

March	13, Mon.	Spring Term begins at 8:00 A.M. (Third tuition payment due)
Mar. 31 to April 2, inc.		Easter Recess
May	27, Sat.	Spring Term ends at the close of classes
May 29 to June 10, inc.*		Spring Term Final Examinations (* excluding Memorial Day Holiday, May 30, 1961)
June	11, Sun.	Commencement—3:00 P.M.
June	12, Mon.	Summer Term begins at 8:00 A.M. (Fourth Year Class only)
Sept.	5, Tues.	Registration, Fall Term
Sept.	6, Wed.	Registration, Fall Term
Sept.	7, Thurs.	Summer Term ends (Fourth Year Class only) Fall Term begins at 8:00 A.M.— Convocation—11:00 A.M.—Auditorium



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# Philadelphia College of Osteopathy

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CARLTON STREET, D.O., M.Sc.(Ost), F.A.C.O.S., Clinical Professor

GALEN S. YOUNG, D.O., M.Sc.(Sur), D.Sc., Clinical Professor

ENRIQUE G. VERGARA, A.B., D.O., F.A.O.C.Pr., Clinical Professor—Proctology

DEWAIN L. GEDNEY, D.O., Associate Professor

ARNOLD GERBER, D.O., M.Sc.(OrthS), F.A.C.O.S., Associate Professor—Orthopedic Surgery

ALBERT BONIER, D.O., Assistant Professor

GEORGE H. COURT, D.O., Assistant Professor

CHARLES A. HEMMER, A.B., D.O., Assistant Professor—Anesthesiology

RAYMOND L. RUBERG, D.O., Assistant Professor—Neurosurgery

WARREN H. SWENSON, D.O., Assistant Professor

ROBERT A. WHINNEY, D.O., M.Sc.(UroS), Assistant Professor—Urology—Vice-Chairman, Urology

HARRY E. BINDER, D.O., Associate

MICHAEL M. COLEMAN, D.O., Associate—Proctology

H. WILLARD STERRETT, JR., D.O., Associate—Urology

CHARLES H. BRIMFIELD, D.O., F.A.C.O.S., Lecturer—Orthopedic Surgery

GLEN W. COLE, D.O., Lecturer—Orthopedic Surgery

HENRY ANTHONY D'ALONZO, D.O., M.Sc.(Surgery)—Lecturer

ISADORE LIEBERMAN, D.O., Lecturer—Anesthesiology

HERMAN E. POPPE, D.O., Lecturer—Orthopedic Surgery

DOMINIC J. SALERNO, D.O., M.Sc.(OrthS), Lecturer—Orthopedic Surgery

HARTLEY R. STEINSNYDER, D.O., M.Sc.(UroS), Lecturer—Urology

PAUL S. YOUNG, D.O., M.Sc.(Ost), Instructor

DAVID SILVERMAN, D.O., Assistant

JOHN W. BARNARD, A.B., D.O., Clinical Assistant—Anesthesiology

WILLIAM E. BRIGLIA, D.O., Clinical Assistant

MARTIN E. FARBER, D.O., Clinical Assistant—Proctology

JOHN J. FLEITZ, A.B., D.O., Clinical Assistant—Proctology

THOMAS L. MAY, A.B., D.O., Clinical Assistant—Anesthesiology

**Clinic Pharmacy**

20th Street—LESTER LEVIN, PH.G.

**The College  
History  
Facilities  
Requirements for Admission**



## History

PHILADELPHIA COLLEGE OF OSTEOPATHY, founded in 1898, dates its current corporate functioning from a merger of two Pennsylvania non-profit corporations: Osteopathic Hospital of Philadelphia and Osteopathic Foundation of Philadelphia, and the securing of the right to the name and the authority to operate a college of the healing arts.

Philadelphia College of Osteopathy, Inc., the New Jersey corporation which had conducted the College under a certificate from the Commonwealth of Pennsylvania, gave consent through its Board of Trustees to these legal steps as passed upon by the Pennsylvania Department of Education and the Court. The academic year 1953-54 marked the start of a new chapter in the institution's history.

The annual "Founder's Day" observance commemorates the establishment of the College in 1898 by Dr. O. J. Snyder and Dr. Mason Pressley, chartered as a professional school dedicated to "improved methods of the healing art in accordance with osteopathic theories of etiology, diagnosis, the prevention and treatment of diseases in general, and the practice of surgery, obstetrics and the specialties" and to "osteopathic research and the dissemination of scientific knowledge."

It was incorporated as "The Philadelphia College and Infirmary of Osteopathy," January 24, 1899, under the laws of the State of New Jersey. The first class was graduated in 1900. In 1921 the name of "Philadelphia College of Osteopathy, Inc." was authorized.

The first college was opened in the Stephen Girard Building and shortly afterward was transferred to larger quarters in the Witherspoon Building. In 1903 it was moved to the northeast corner of 33rd and Arch Streets. From 1908 to 1911 it was situated at 1715 North Broad Street, and from 1912 to 1916 at 832 Pine Street. In 1916 the Reyburn Mansion at the southeast corner of 19th and Spring Garden Streets was purchased for the College. A fifty-bed hospital building was erected adjoining the College on 19th Street. Subsequently two properties adjacent to the College on Spring Garden Street were purchased to serve as annexes to the College and Hospital. The Board of Directors of the Osteopathic Hospital secured the present site at 48th and

Spruce Streets in 1928, where space in a completely new building was opened for classes on November 16, 1929.

The Osteopathic Hospital of Philadelphia was chartered under the laws of Pennsylvania, May 10, 1911, "to establish, support and conduct a general hospital for the treatment of sick and injured persons." The Hospital was the outgrowth of a dispensary located at 1617 Fairmount Avenue. In 1911 the Osteopathic Hospital of Philadelphia was established at 410 South 9th Street. When the College moved to 19th and Spring Garden Streets, the Hospital was temporarily quartered at 1725 Spring Garden Street, where it remained until completion of the hospital building on the 19th Street site in 1918.

In January, 1929, the Board of Directors sponsored a public campaign for funds, setting the goal at \$1,030,000, to meet the needs for new college and hospital buildings. The success of this drive, in which \$1,044,000 was subscribed, is without parallel in osteopathic achievement involving a building program.

The site at the northeast corner of 48th and Spruce Streets was purchased in 1928 at a cost of \$165,000. Upon this tract, with a frontage of 281 feet on Spruce Street and 250 feet on 48th Street, units for college, hospital and administration were erected in 1929 at a cost of a million dollars.

In 1951 the Hospital purchased the buildings and grounds of the long-established Women's Homeopathic Hospital of Philadelphia, occupying a complete city block in North Philadelphia, bounded by Dauphin Street, Uber Street, Susquehanna Avenue and 20th Street. There are five buildings on a shaded lawn, bounded by a stone wall. The establishment of this newly-acquired property as part of the college-hospital operation involved the organizing of a fund supplied by hospital staff members. Within a short period in the month of August the staff marshalled a cash sum of more than \$300,000.

In 1957 Philadelphia College of Osteopathy purchased some 16 acres of land on City Line Avenue at Monument Road. This land will be the site for a new campus. Present plans include the building of a two-unit, 600-bed hospital with out-patient and ancillary services; a college of two units providing class-rooms, laboratory and research facilities for 600 predoctoral and 200 postdoctoral students; an auditorium and lecture hall; a nurses' home; a library; an administration building; a student dormitory; an apartment building for staff and faculty; and a unit for power plant, heating and laundry. The mansion is now a center for administrative, ladies auxiliary and postdoctoral course activity (see illustrations opposite pages 32 and 33).

## THE COLLEGE PLANT

The parent college-hospital building at 48th and Spruce Streets is designed in collegiate Gothic. The structure, comprising four floors and a basement, is built of colonial red brick with limestone trim and variegated slate roof. The main entrance on Spruce Street, flanked by towers, opens into a lobby connecting the college and hospital units. Immediately off the lobby are waiting rooms and general administrative offices. In the west basement is the Out-Patient Department, equipped for clinical instruction in general and orthopedic surgery, obstetrics and gynecology, pediatrics, proctology, ophthalmology and otolaryngology, urology, dermatology, diseases of the chest, physical therapy, neurology, etc. Thirty-two "offices," fitted with osteopathic treating tables and other necessary adjuncts, are used by the clinic supervisors in the instruction of students, who thus meet, examine and treat clinic patients in a professional and practical way under the supervision of experienced graduate physician teachers.

The same system, with student "offices" and specialty clinics, occupies basement-level space in the Main Building at North Center Hospital; and the clinical training program, under the Director of Clinics, is maintained by a separate supervisory staff for North Center. Located in a thickly populated residential section, North Center clinic is notable for its rich variety of diagnostic experience.

The Hospital of Philadelphia College of Osteopathy in West Philadelphia accommodates 151 patients, with private rooms, semi-private rooms, wards, nurseries, delivery unit, operating units, workrooms, x-ray quarters, kitchens, dining rooms, etc. The basement comprises kitchen, dining rooms and serving rooms. In the central section of this floor is located the x-ray department containing complete diagnostic and therapeutic units. The first floor is planned as a general service floor, with receiving and emergency wards, three adult wards and a children's ward, private and semi-private rooms. The maternity department occupies the second floor, with a complete operating and delivery unit, two wards, private and semi-private rooms, general and isolation nurseries; in addition, the typical work rooms. Surgery occupies the third floor: an operating amphitheater with seating capacity of approximately 200, a private operating room, anesthetizing room, and the orthopedic department. Work rooms and a sterilizing room occupy the central section. Wards, semi-private rooms, and private rooms make up the remainder. The amphitheater of the third floor operating room occupies the cen-

tral section of the fourth floor. Adjoining are laboratories of pathology and bacteriology, the mortuary and autopsy room.

The Osteopathic Hospital at 20th Street and Susquehanna Avenue consists of two main hospital buildings, a nurses' home, a power house and an intern and resident home. The services at this hospital in large part duplicate those at the 48th Street hospital and offer an increasingly rich educational opportunity. There are 145 beds in this hospital.

The combination of osteopathic college with two hospital units is organized to give the student the optimum clinical training. All departments of college teaching are correlated, with each clinical department extending throughout college, hospital and dispensary as one unit under the direction of a single head.

### **CLINICAL FACILITIES AND OPPORTUNITIES**

The clinics of Philadelphia College of Osteopathy are distinctive in their scope, organization and patronage. Situated in a busy medical metropolis, the osteopathic dispensary has flourished under constantly increasing demands.

A staff of Professional Teaching Supervisors on daily service at both hospitals make possible intimate and personal contact with the individual students. In the out-patient dispensaries the great amount of clinical material further assures contact with a wide range of disease conditions. The out-patient department prescribes systematic and coordinated instruction in all phases of osteopathic medicine.

The schedule for the fourth year class is so arranged that the students are daily occupied in the practical work in the college out-patient department and on the floors and in the laboratories and operating rooms of the hospitals. For a period of eighteen weeks each fourth year student serves as clinical clerk in the hospital. An out-patient maternity clinic furnishes an abundance of subjects for prenatal and general obstetrical care.

### **ISOTOPE LABORATORY**

A laboratory designed for the use of radio-active materials in the diagnosis and treatment of disease and also in the fields of research has been equipped through generous gifts from The Central Lions Club of Philadelphia, the North Philadelphia Lions Club, and the Stephen Girard Lions Club.

Modern work tables, a stainless steel sink and a stainless steel hood have been installed. Additional equipment includes standardized radium and neutron sources.

PCO





ADMINISTRATION BUILDING  
City Line Campus

MOSS MANSION ADMINISTRATION HEADQUARTERS

Forerunner to the planned \$15,000,000 new campus complex at City Line ave. and Monument road, this former suburban showplace has been converted into a combined College administration and business center, and postdoctoral classroom building. A suite of rooms is occupied by the Women's Auxiliary. The careful choice of sites for the new buildings will make it possible to retain the park-like character of the campus.

## HARVEY SCHOOL OF ANATOMY

The Harvey School of Anatomy is a regularly chartered institution for the study of practical anatomy, and is housed in the 48th Street building. A collection of special dissections, specimens and models is on display and arranged for study. The facilities afford excellent opportunities for detailed investigation of normal and abnormal structures. The dissecting room is equipped with tables and cabinets of special demonstration material.

## THE MUSEUMS

The museum of the College contains specimens and models in mahogany cases in the main auditorium. The collection includes both normal and pathological specimens, serial sections, dissections and mounted preparations illustrating the major diseases. Among the most notable are the collection of bone specimens, human embryos, Spalteholz preparations, development of the cardio-vascular system in plaster.

The anatomy laboratory houses a museum declared by visiting state board inspectors as one of the best in the world maintained by any school of the healing arts.

The radiological museum is in the auditorium and therein are displayed a number of pieces of equipment to demonstrate the historical development of radiology.

## O. J. SNYDER MEMORIAL LIBRARY

The general library of the College adjacent to the auditorium contains volumes recommended by the departments for collateral reading, including the standard osteopathic textbooks and periodicals, current journals as they are circulated and bound volumes of the more important publications covering past years. Students have free access to the library. Most of the books may be borrowed for a period of one week upon presentation of the library card issued to individuals. Working libraries are provided in laboratory, research and clinical departments.

A bookstore is operated for the convenience of the students with the proceeds from the sale of books applied to the library fund which furnishes new volumes and journals. The Librarian is custodian of the bookstore located across the corridor from the library.

## HOSPITAL INTERNSHIPS

Each year selected members of the graduating class are recommended for appointment as interns to serve for one year from the July 1 following graduation. This selection is made on the basis of character and personality, as well as intellectual fitness and academic record. The faculty of Philadelphia College of Osteopathy also assists graduates in securing positions as resident interns in other hospitals throughout the country. The demand for interns from Philadelphia College far exceeds the supply.

## COURSE OF STUDY

It is the aim of the college to prepare the student for the general practice of osteopathic medicine. The first two years of the four-year instruction program are concerned principally with the basic sciences: anatomy, histology, embryology, chemistry, pathology, physiology, and bacteriology. During the second year, work is begun in physical diagnosis, osteopathic medicine, and radiology, as a basis for the more advanced subjects of surgery, obstetrics, and the various divisions of general osteopathic practice which occupy most of the final term of the second year and all of the third year. The fourth year is essentially clinical with assignments in the general and special out-patient clinics and in the hospitals.

Throughout the course the principles and practice of osteopathic manipulative technique are directed to their specific applications in each field. This teaching departmental work is coordinated with the basic sciences during the first year and progressively leads into the clinical phases of practical application as the training program progresses through the upper years.

## GRADUATION PRIZE AWARDS

Special merit is recognized at the time of graduation by the naming of senior students who have qualified for the prize awards established and traditionally presented at the commencement exercises.

The Sigma Alpha Omicron Honorary Society Prize, a gold key and certificate, awarded to a senior meeting the requirements of The Sigma Alpha Omicron Honorary Society. Election to mem-

bership is based on maintenance of high scholarship in didactic work.

The Alumni Association Prize is awarded to the member of the graduating class who exhibited outstanding ability and achievement in the performance of his work during his hospital clerkship and clinic service.

The Dean's Award is awarded to that member of the graduating class who by his personal and professional conduct has been the most outstanding example to his fellow classmates in leadership and loyalty.

The John H. Eimerbrink Memorial Prize in Osteopathic Therapeutics is awarded to the member of the graduating class who in the opinion of the members of the Department of Osteopathic Principles and Practice has shown the highest measure of ability. Awarded by Mrs. Eimerbrink and several of Dr. Eimerbrink's intimate professional associates.

The Belle B. and Arthur M. Flack Memorial Prize in the Practice of Osteopathy is given upon recommendation of the Department of Osteopathic Medicine to the individual who has shown himself most proficient in the practice of osteopathic medicine. Awarded by their children.

Public Health Prize is awarded by Dr. Joseph F. Py to the member of the graduating class showing greatest proficiency in bacteriology and preventive medicine.

The Obstretical Prize is presented to the member of the graduating class upon recommendation of the Department of Obstetrics and Gynecology for the best professional work in clinical obstetrics.

The Atlas Memorial Award. In memoriam of the late members of the Atlas Club, Styloid Chapter, this award is made to that member of the graduating class who, in the opinion of his classmates and the Atlas Club, and as voted by their ballots, has displayed the highest potentiality for sincerity and compassion in practice, and in devotion to and leadership in the osteopathic profession.

The Dorothy Jean Sivitz Memorial Prize in Hematology, given by Dr. Philip M. Lessig and Dr. Clarence E. Baldwin, is awarded to that member of the graduating class who achieved the highest grade in Hematology.

The Homer Mackey Memorial Award, in memory of Homer Mackey is awarded by the Student Council to the member of the graduating class who attained the highest scholastic average throughout his first three years of didactic study.

## 1960 AWARDS

The Sigma Alpha Omicron Honorary Society Prize .....	KEITH ALLAN BUZZELL (First in Class) SAMUEL JAY COLTON BARRY LIONEL GETZOFF LEONARD EDWARD ROSENFELD HERBERT ALLEN SCOLNICK CARL EUGENE SOECHTIG ROBERT THOMAS WEAVER
The Dorothy Jean Sivitz Memorial Prize in Hematology	
	LEONARD EDWARD ROSENFELD
The Alumni Association Prize.....	LEONARD EDWARD ROSENFELD
The Dean's Award .....	ANTHONY DOMENIC LOBIANCO
The John H. Eimerbrink Memorial Prize in Osteopathic Therapeutics .....	KEITH ALLAN BUZZELL
<i>The Public Health Prize</i> .....	LEONARD SCHAFFER
The Belle B. and Arthur M. Flack Memorial Prize in the Practice of Osteopathic Medicine .....	BARRY LIONEL GETZOFF
Honorable Mention .....	KEITH ALLAN BUZZELL LEONARD EDWARD ROSENFELD
The Obstetrical Prize .....	
Honorable Mention .....	
JOHN JOSEPH NAUGHTON, JR.	
RICHARD BIRK	
LEONARD EDWARD ROSENFELD	
RAYMOND JACOB SALOOM	
The Atlas Memorial Award .....	JOSEPH VINCENT KOEHLER
The Homer Mackey Memorial Award.....	KEITH ALLAN BUZZELL

## Requirements for Admission

Applicants for admission to Philadelphia College of Osteopathy as candidates for the degree of Doctor of Osteopathy must present evidence of having successfully completed a course of preliminary study as follows:

- (a) Four years of study of satisfactory quality in an accredited secondary school.
- (b) A minimum of three years of collegiate work of satisfactory quality in an accredited college of arts and sciences with specified courses in biology, chemistry, physics and English.

The details of requirement (b) are as follows:

1. 75% of the total number of credits required for the baccalaureate degree at an accredited college of arts and sciences.
2. English: A minimum of 6 semester hours in composition and literature.
3. Biology: A minimum of 8 semester hours of which at least 4 should be in laboratory work. This requirement may be satisfied by a course of 8 semester hours in general biology or zoology, or by courses of 4 semester hours each in zoology and botany, but not by botany alone.
4. Chemistry: Inorganic—A full course of at least 8 semester hours of which at least 2 should be in laboratory work.  
Organic—A full course of at least 6 semester hours and preferably 8 semester hours of which at least 2 should be in laboratory work.
5. Physics: A minimum of 8 semester hours of which at least 2 should be laboratory work.

The pre-osteopathic student is encouraged to pursue additional studies in organic, analytical and physical chemistry, as well as in subjects such as literature, philosophy, history, fine arts, modern languages, psychology, social sciences, English composition and speech.

- (c) Each student enrolled in the College must have in the college files certificates of secondary and preliminary education issued by the Pennsylvania Department of Public

Instruction. Such certificates should not be applied for until the applicant is notified officially of his or her acceptance by the College. Further instructions regarding the securing of these certificates will be supplied by the Registrar after acceptance.

- (d) *Each applicant must submit his scores on the Medical College Admission Test. This test is administered by the Psychological Corporation. Information concerning this test may be obtained from the pre-professional adviser at your college or directly from the Psychological Corporation, 304 East 45th Street, New York 17, N. Y. This examination is given in the spring and fall. Applicants are urged to take the examination in the spring of the junior year and certainly not later than autumn of the senior year.*
- (e) *For purposes of eventual licensure to practice, applicants for admission should study the detailed requirements of the laws governing pre-professional educational requirements in states in which they contemplate practicing. This should be done before making application. It is to be expressly understood, however, that all applicants seeking admission, regardless of the state requirements, must satisfy the entrance requirements of Philadelphia College of Osteopathy.*

### METHOD OF MAKING APPLICATION

Applications for a given academic year will be accepted until April 2 preceding the September of desired entrance. Early application and fulfillment of application requirements are essential.

All inquiries about admission should be addressed to the Registrar. The application form supplied by the Registrar must be properly executed and accompanied by (a) the application fee of \$15.00, (b) a recent 2" x 2" photograph of the applicant. The fee is not refundable. Applicants for transfer or reapplication must also pay a \$15.00 fee.

### SELECTIVE SERVICE

Each male applicant is urged to maintain a very clear standing with his draft board. Applicants are reminded that they should take the Selective Service College Qualification Test, as soon as possible after reaching their 18th birthday. Since standing in class is a heavy factor with the draft board, applicants are urged to try to maintain a very high class standing.

## REQUIREMENTS FOR GRADUATION

Every candidate for the degree of Doctor of Osteopathy (D.O.) must be at least twenty-one years of age, of good moral character, must have satisfactorily passed all prescribed examinations, must be free from indebtedness to the College and must have satisfactorily completed the program of study required for the degree, including specific departmental requirements such as that in Pathology for the preparation of protocols on at least six autopsies. The candidate must attend in person the commencement at which the degree is conferred.

Attendance at the College is a privilege granted to the student in consideration of his performance of specified assignments and maintenance of established standards of personal and professional conduct.

The College reserves the right, and the student, by his act of registration, concedes to the College the right to require his withdrawal at any time the College deems it necessary to safeguard its standards of scholarship, character and compliance with regulations or for such other reasons as are deemed appropriate.

## REQUIREMENTS FOR PRACTICE

A student attaining the degree of Doctor of Osteopathy is required to take state board licensing examinations in order to practice in the state or states of his choice. Such examinations are given by state boards of osteopathic examiners, medical boards or composite medical and osteopathic boards of examiners, as regulated by the laws of the several states. The passing of board examinations and the subsequent licensing includes the privilege of registering for practice in some other states without further examinations. Students and graduates of Philadelphia College of Osteopathy are eligible for examinations of the National Board of Osteopathic Examiners.

## TUITION AND FEES

The College has a single fee system, covering tuition, laboratory fees, breakage fees, and health service. The basic fee does not include graduation fee nor items purchased by the student, such as books and microscope, which are and continue to be the property of the student.

Annual tuition is \$1,000, one-third due at registration in September, one-third on the first day of the Winter Term and one-third on the first day of the Spring Term of each academic year. The only exception to this schedule of payments is for the first year. Upon notification of acceptance by the Dean, an advance payment of \$100 is required to reserve the applicant's position in the

class for which he is accepted. This advance payment will be deducted from the tuition payment due on Registration Day, but is not refundable in case of withdrawal.

Every candidate for the degree of Doctor of Osteopathy must pay a graduation fee of \$25, payable on the first day of the Spring Term of the Senior year.

The Student Council is authorized to assess the students from time to time on a per capita basis to finance its operation. These fees do not come within the scope of Veterans Administration Regulations. The annual Student Council fee is ten dollars. There is a year-book fee of ten dollars. Each student at the September registration must pay these fees.

Fees to be paid by students are subject to change at any time at the discretion of the Board of Directors. Fees are neither returnable nor transferable.

A student whose fees are unpaid, or whose physical examination has not been completed at registration time as scheduled, may be barred from classes until his registration is effected. The student will be held accountable for all absences incurred through the operation of this rule. A fine of \$10 will be levied against any student who fails to register and pay all fees at the scheduled time.

If a student withdraws from College on account of illness or other physical disability within two months from the opening date of any semester, a pro rata return of the tuition fee may be authorized, provided the student files with the Dean a written notification of his withdrawal together with a physician's certificate. In no case will fees be refunded for dishonorable dismissal or for dismissal or withdrawal on account of poor scholarship. The College is approved by the Pennsylvania Department of Public Instruction and the Veterans Administration for training under the GI Bill of Rights.

### LIVING EXPENSES

The College is located in a residential section of the city. Lodgings are obtainable at varying costs. Rooms without board are available for as little as \$7 a week and there is a wide choice of apartments. The College Office maintains a housing service.

### MICROSCOPES

Every student entering the College is required to secure a microscope of standard type fitted with 10X oculars and 16 mm., 4 mm., and oil immersion objectives.

Students are required to provide themselves with instruments, laboratory materials, textbooks as recommended by the heads of

departments and instruments for the diagnostic examinations of patients. Each second-year student is required to equip himself with a hemocytometer.

### SCHOLARSHIPS

The Auxiliary to the American Osteopathic Association awards seven scholarships annually, each valued at \$1,000. An applicant for a scholarship must have received a tentative acceptance by an osteopathic college and must apply for the scholarship by May 1st of the year of matriculation.

Applications and inquiries for the scholarships should be addressed to the Scholarship Chairman, Auxiliary to the American Osteopathic Association, 212 East Ohio Street, Chicago 11, Illinois.

### STUDENT LOANS

The Student Loan Fund of the American Osteopathic Association has been set up to make possible financial assistance to third and fourth year students. Applications and information about this fund and other sources of financial help may be obtained in the College office.

Philadelphia College of Osteopathy is a participant in the National Defense Student Loan Program. Application is open to all worthy students. New students who are interested in applying for a loan should so inform the Director of Admissions immediately upon acceptance to the College.

### STUDENT EMPLOYMENT

The program of professional study is much more rigorous than those of the pre-professional curriculum. It is recommended that the student engage in no outside work or extra-curricular activity involving any considerable time or energy while attending Philadelphia College of Osteopathy.

### STUDENT HEALTH SERVICE

A health and accident insurance program is provided without extra cost to undergraduate students of the College:

1. Physical examination at least once a year, including roentgen-ray study of the chest.
2. Three clinic or bedside appointments by a staff osteopathic physician for any one disability.

3. Laboratory and special examinations when approved by the Student Health Service.
4. A Blue Cross membership providing hospitalization benefits under the terms of the Semi-Private-Plan Subscription Agreement.
5. The privilege of subscribing for Blue Cross membership for dependents by paying the supplementary fee asked by the Blue Cross for such benefits. Payment to be made on a semi-annual basis.

## STUDENT ACTIVITIES

### Student Council

The interests of the students are managed by a Student Council made up of representatives of the four classes. The president of the organization is elected by the Student Council from the fourth-year class. Regular meetings are held throughout the year. The Student Council expresses itself in matters affecting general student interests and is the official liaison body between the student body and the College.

### Societies

Other student organizations are the Catholic Guild, Hillel, the Christian Osteopathic Society, the Obstetrical Society, the Internal Medicine Society, the Neurological Society and the Pediatrics Society. These organizations meet regularly to discuss diversified topics in their respective fields. The wives of students are organized as a Student Wives' Association, affiliated with the Auxiliary to the American Osteopathic Association.

### Fraternities

Fraternities with chapters at Philadelphia College of Osteopathy are Iota Tau Sigma, Phi Sigma Gamma, Atlas, and Lambda Omicron Gamma.

An interfraternity council, consisting of representatives from each fraternity, supervises and directs the affairs of common interest to these organizations, subject to consultation with the Dean, and working cooperatively with a committee of the Student Council.

**Predoctoral Program  
Courses of Study**



**Departments****ANATOMY**

ANGUS G. CATHIE, D.O., M.Sc.(Anat), Professor—Chairman

EDWIN H. CRESSMAN, D.O., M.Sc.(Ost), Professor

BLANCHE CLOW ALLEN, A.B., B.S. in Ed., D.O., M.Sc.(Anat), Assistant Professor

GEORGE H. COURT, D.O., Assistant Professor—Surgery

LEWIS G. TORRIERI, B.S., M.D., D.O., Lecturer—Embryology

LEMAR F. EISENHUT, JR., D.O., Demonstrator

ROBERT W. ENGLAND, A.B., B.D., D.O., Instructor

**First Year**

ANATOMY I. Gross. Professor Cathie and assistants. Lectures, conferences, and laboratory dissection. Systematic study of the human body. Emphasis is placed on the direct bearing of anatomical facts upon clinical problems. Dissection is carried out in small groups ..... 540 hours

ANATOMY II. Microscopic. Professor Cressman and Dr. Torrieri. A combined lecture and laboratory course. Histology and embryology are presented simultaneously ..... 216 hours

**Third Year**

ANATOMY III. Applied. Professor Cathie. Lectures and demonstrations. Anatomical facts are discussed from the point of view of their application to practical problems met by the physician. The lectures and demonstrations serve to emphasize the relationship of anatomy to the practice of osteopathic medicine. 84 hours

**Fourth Year**

The department participates in the Fourth Year program on a consulting basis. The Anatomy Department is careful in its following up of the major principles inculcated in its teaching, particularly with relation to the osteopathic application of regional anatomy.

**BIOCHEMISTRY**

**ROBERT J. RUTMAN, B.S., PH.D., Visiting Lecturer—Acting Chairman**

**JOHN H. SCHALL, JR., A.B., D.O., Assistant Professor**

**RICHARD H. GOLDER, B.S., PH.D., Laboratory Instructor**

**ABRAHAM STEIN, A.B., PH.D., Laboratory Instructor**

The Department of Biochemistry presents courses in physiological chemistry (medical biochemistry) so planned as to afford a maximum of practical assistance to the graduate in osteopathic medicine without sacrificing fundamentals in chemistry. Considerable stress is placed upon the chemistry of the metabolic processes of the human body during health and disease.

A prerequisite for all students consists of a thorough understanding of the fundamentals of general and organic chemistry as taught in an accredited college of liberal arts; an understanding of the fundamentals of physical and analytical chemistry is necessary. The method of instruction is based upon the premise that a thorough knowledge of body chemistry is essential to every osteopathic physician.

**First Year**

**CHEMISTRY I (PHYSIOLOGICAL).** Dr. Rutman, Dr. Schall and assistants. Lectures, laboratory instruction and quizzes. A short review of some fundamentals of physical chemistry precedes the systematic study of the chemistry of the carbohydrates, proteins, lipides, enzymes, vitamins, digestion, metabolism, hormones, nutrition, respiration, and other physiological processes. Where feasible, laboratory instruction parallels didactic..252 hours

**Second Year**

**CHEMISTRY II (CLINICAL LABORATORY).** Dr. Rutman, Dr. Schall and assistants. Laboratory instruction in the techniques of blood chemistry. Instruction in the use of special instruments and equipment is given. Selected blood chemistry tests are performed by the student, and his proficiency is ascertained by the analysis of "unknowns." Two hours a week .....24 hours

**Fourth Year**

The Department of Chemistry participates in the Fourth Year on a consulting basis.

**CLINICS**

THEODORE W. STIEGLER, JR., D.O., F.A.C.O.I., Chairman

**Chief Supervisors**

HORATIUS ENRICO D'ALONZO, D.O.  
WILLIAM J. GILLESPIE, D.O.  
WILLIAM H. LANDGREBE, D.O.  
GEORGE G. BAUMGAERTEL, B.S., D.O.

**Professional Teaching Supervisors**

FREDERICK ANNÉ, D.O.	ELEANOR V. MASTERSON, A.B., D.O.
DONALD E. CLARK, D.O.	JOSEPH D. McMENAMIN, B.A., D.O.
PHILIP EVANS, A.B., D.O.	J. RAYMOND McSPIRIT, D.O.
JOSEPH E. GILETTO, D.O., M.Sc. (Ost), (C. V. Grant)	ALVIN ROSEN, A.B., M.A., D.O.
ALBERT HONIG, A.B., D.O.	THEODORE SCHWARTZ, A.B., D.O.
JOSEPH V. HUFFNAGLE, B.A., D.O.	MORTON SILVER, A.B., M.A., D.O.
ANTHONY G. LEONE, B.S., D.O.	WILLIAM J. TRIDICO, D.O.
DOMINIC MARSICO, D.O., M.Sc.(Ost), (C. V. Grant)	FRANK E. ZINDEL, B.S., D.O.

The Department of Clinics operates the clinical schedule of the fourth year class throughout the entire year. During the third year there are periods of clinical service for each student but in the fourth year the student is in clinical work at all times except during his period of clerkship in the hospitals.

The teaching in the clinic is done through the Out-Patient Service of the two hospital units under supervision of physicians in active practice who devote a specified number of hours each week to the "practice" conducted by each student in his own assigned "office" in the clinic. The pattern of the program is to make the student's clinic work as nearly as possible like his routine will be in actual practice after graduation.

As patients register in the general clinic, they are assigned each to a particular student who does the history-taking and makes the preliminary physical examination, arrives at a diagnosis and proceeds with the care of the case as his training has prepared him. He writes staff orders, including consultation and laboratory work, when indicated, and then goes into consultation with a professional teaching supervisor. The supervisor counsels the student on each phase of the case and goes over the management of the case with him at this point. This personalized teaching ties together the work of the first three years and applies it to individual patients.

There are daily group conferences in which the professional

teaching supervisors work with the students and during which there is general discussion of the various patients under treatment.

The clinical teaching extends into the hospital at the clerkship level. This provides experience in the administration of osteopathic manipulative treatment to hospital patients in the services, medical, surgical, pediatric and obstetrical. During his clerkship, the senior may also assist in clinic deliveries and has the opportunity to observe surgical procedures. In all phases of the hospital clerkship schedule there are regular conferences with professional teaching supervisors as well as the chairmen and members of the various specialty departments.

Throughout the fourth year, particularly in the Out-Patient Department, there are visiting lecturers and consultants from the general staff of the hospital and the teaching departments of the College, arranged by the Director of Clinics at stated times and for specialized purposes as cases warrant. Prominent physicians are frequent visitors to the Out-Patient Department and their services are a source of additional benefit to the students .....2024 hours

## DERMATOLOGY AND SYPHILOLOGY

EDWIN H. CRESSMAN, D.O., M.Sc.(Ost), Professor—Chairman

ISRAEL FELDMAN, PH.G., D.O., Assistant Professor

WALTER L. WILLIS, D.O., Assistant Professor

### Third Year

**DERMATOLOGY AND SYPHILOLOGY.** Professor Cressman and assistants. This course aims to prepare the general practitioner in the diagnosis and management of cutaneous diseases and syphilis. All of the common eruptive diseases are discussed and shown by means of abundant color slides. It is possible by this excellent means to present visually the diseases with all of their characteristics and variations. The student will learn the use of topical therapy, prescription writing and the special diagnostic and therapeutic procedures.

### Fourth Year

There is clinical teaching in the out-patient service at both 48th Street and 20th Street. These teaching clinics are held every Tuesday afternoon starting at 2 and continuing until all patients are seen. There are regular conferences each week at both hospitals. Cases are selected for these conferences which present interesting diagnostic and management problems.

**HISTORY OF MEDICINE AND OSTEOPATHY****SHERWOOD R. MERCER, A.B., A.M., LL.D., Professor****First Year**

This is an introductory course to the history of medicine and osteopathy. Lectures on important figures, movements and contributions in medicine with special emphasis on osteopathy .....  
..... 12 hours

**MEDICAL JURISPRUDENCE****JOHN B. HANNUM, III, A.B., LL.B.****BERNARD J. PLONE, D.O.****GARDINER A. WARNER****Third Year**

During the third term a course of Medical Jurisprudence is given one hour a week in order to prepare the student for court-room appearances, cases of damage action, and other situations in which a knowledge of courtroom procedure and the basic laws pertaining to the position of the physician in his practice with regard to the courts are thoroughly developed.

The Dean is in charge of the course. Teaching is conducted by Gardiner A. Warner, 32 Rittenhouse Place, Ardmore, Pa., and John B. Hannum, III, A.B., LL.B., of the firm of Pepper, Bodine, Frick, Scheetz and Hamilton. Bernard J. Plone, D.O., Riverside, N. J., presents the court-room problems from the physician's standpoint ..... 12 hours

**MICROBIOLOGY AND PUBLIC HEALTH****JOSEPH F. PY, D.O., M.Sc.(Ost), Professor Emeritus—Chairman****PHILIP M. LESSIG, A.B., M.A., D.O., Associate Professor****NICHOLAS S. NICHOLAS, D.O., Demonstrator****BERNARD WITLIN, A.B., M.S., D.Sc., F.A.A.A.S., F.A.P.H.A., Associate Professor**

This department offers instruction in medical microbiology, parasitology, preventive medicine, industrial medicine, public health, and tropical medicine. The instruction is designed to meet the requirements of the general practitioner in these important fields. The subject matter is presented by lecture and laboratory assignments in such a way as to correlate microbiology and preventive medicine with the instruction of other departments and particularly associating the work with the philosophy and principles of osteopathic medicine.

**First Year**

**PARASITOLOGY.** Professor Lessig. This is a systematic course dealing with the parasitic causes of disease. Lectures are il-

lustrated with a variety of visual aids. Recitations are held from time to time. Four hours per week during the First Term .....  
.....108 hours

**PERSONAL HYGIENE.** Professor Witlin. Fundamental principles of personal health .....12 hours

### Second Year

**MICROBIOLOGY.** Professor Py and assistants. A laboratory course supplemented by introductory lectures, type slides, demonstration. The course deals systematically with medical microbiology and virology and the significance of micro-organisms in disease. The practical work embraces the making of media; the study of saprophytic and pathogenic micro-organisms, their biochemical activity and their behavior on differential media; training in the principles of disinfection and sterilization; identification and classification of microbial species; simple and differential staining procedures; the study of morphological and biological characteristics; examinations of pus, sputum, excretions, etc., correlating the findings with the clinical objective and subjective factors which are present in the case studies made at the time the specimens are obtained; and the microbiological study of air, water, and milk. Recitations upon the work covered are held from time to time .....108 hours

**PUBLIC HEALTH (PRINCIPLES OF PUBLIC HEALTH).** Professor Witlin. Lecture Course presenting the organization of federal, state and local health departments; their methods of securing funds; statistical methods; methods employed in the control of water sewage, milk, air pollution, and environmental sanitation.  
.....12 hours

**PUBLIC HEALTH (PREVENTIVE MEDICINE).** Professor Py and assistants. A laboratory course supplemented by recitations. The student is instructed in the principles of immunity mechanism of natural and artificial immunization; practical application of immunizing biologicals; examinations of sera of clinical origin and their relative interpretation in diagnosis and biological therapeutics, a comparative study carried out with consideration for all phases of biologicals and their actual practical value, stressing those that are specific and analyzing those that are not ....12 hours

**PUBLIC HEALTH (EPIDEMIOLOGY).** Professor Py. Divided into lectures and practical exercises. Introduction to infectious diseases; methods of investigation; prevention and control .....  
.....24 hours

### Third Year

**CLINICAL BACTERIOLOGY (IMMUNOLOGY AND SEROLOGY).** Professor Witlin. Principles of immunity. Methods for testing im-

munity. Blood grouping. Rh factor. Heterophile. Serologic tests. (Complement fixation and flocculation tests.).....24 hours

PUBLIC HEALTH (INDUSTRIAL HYGIENE). Professor Nicholas. Occupational disease and hazards; industrial sanitation and hygiene; health matters involving industrial workers .....12 hours

PUBLIC HEALTH (TROPICAL MEDICINE). Professor Witlin. A lecture and laboratory course in which diseases, uncommon in the United States but of world-wide importance, are studied. Emphasis is placed upon the preventive and mass aspects.....36 hours

VIROLOGY. Lecture Course presenting basic information and studies related to Virology. Emphasis is given to the study of the nature of viruses, viral diseases, epidemiology, laboratory diagnosis, pathogenesis, sources and modes of infection, immunization and control .....24 hours

#### Fourth Year

Laboratory findings, as represented in records kept by the students on clinic patients, are accessible to members of the department in their evaluation on the efficiency of the department's teaching.

### NEUROLOGY AND PSYCHIATRY

ALBERT L. WEINER, D.O., Associate Professor—Acting Executive Officer

MORTON S. HERSKOWITZ, B.S., D.O., Lecturer

WILMER H. BATH, D.O., Assistant

ANTHONY S. JANNELLI, A.B., D.O., Assistant

NORMA J. CHRISTENSEN, A.B., D.O., Clinical Assistant

I. J. OBERMAN, D.O., Clinical Assistant

#### First Year

PSYCHIATRY I. A course designed to acquaint the student with the structure of the personality and with its development from infancy to senescence. Various theories of personality study are covered. The dynamics of normal adjustment receive attention. ....12 hours

PSYCHIATRY II. Drs. Herskowitz and Weiner. A presentation of the fundamental reaction types and their application in clinical psychiatric syndromes .....24 hours

#### Second Year

PSYCHIATRY III. Dr. Weiner. Lectures and demonstrations covering the problems of the physician-patient relationship, the

technique of the psychiatric interview and history, the psychiatric examination, and the diagnostic methods presently utilized in psychiatry ..... 24 hours

**PSYCHIATRY IV.** Lectures and demonstrations covering the field of mental disorders. The course is designed to stress the problems as met by the general practitioner ..... 12 hours

**NEUROLOGY I.** Dr. Bath. A review of the anatomy and physiology of the nervous system as it applies to the problems of clinical neurology. The procedure of eliciting the neurologic history and technique of the neurologic examination is covered in detail ..... 12 hours

**NEUROLOGY II.** A systematic course of instruction covering diseases of the brain, spinal cord, and peripheral nerves, and other related disorders ..... 48 hours

### Third Year

**PSYCHIATRY IV.** (Continued.) Dr. Herskowitz. Presentation of the various treatment methods, including the physical therapies in psychiatry, and various forms of psychotherapy, including the problem of child psychiatry ..... 48 hours

### Fourth Year

In the clinics at 48th Street and at North Center Hospital, members of the department hold regularly scheduled conferences on special clinic cases. The principles developed in the teaching of the first three years are thus given laboratory testing.

## OBSTETRICS AND GYNECOLOGY

**EDWARD G. DREW, D.O., D.Sc.(Ost), F.A.C.O.S., Professor Emeritus of Gynecology**

**H. WALTER EVANS, D.O., M.Sc.(Ost), F.A.C.O.O.G., Professor Emeritus of Obstetrics and Gynecology**

**FRANK E. GRUBER, D.O., F.A.C.O.O.G., Professor—Acting Chairman**

**HERMAN KOHN, D.O., M.Sc.(Obs and Gyn), F.A.C.O.S., Clinical Professor**

**WILLIAM M. BARNHURST, D.O., Associate Professor**

**LESTER EISENBERG, A.B., D.O., M.Sc.(Ost), F.A.C.O.O.G., Associate Professor**

**WILLIAM G. MORRIS, B.S., D.O., Assistant Professor**

**NICHOLAS C. ENI, B.S., D.O., M.Sc.(Ost), Lecturer**

**ANDREW D. DEMASI, D.O., M.Sc.(Ost), Lecturer**

**JOSEPH M. BACK, JR., B.S., D.O., Instructor**

**THEODORE ASNIS, B.S., D.O., Assistant**

**MERRIT G. DAVIS, B.S., D.O., Clinical Assistant**

**G. RICHARD HARTZ, D.O., Clinical Assistant**

**Second Year**

**OBSTETRICS I.** Lectures, demonstrations and clinical teaching. Professor Gruber and assistants. This course comprises a systematic study of normal pregnancy, labor and the puerperium. A study of reproduction and the anatomy of the normal female pelvis introduces the subject. Models, diagrams, manikin work and individual practice supplement the instruction. The course includes the discussion and demonstration of abnormal conditions of pregnancy, labor and puerperium, and obstetric surgery. The lectures and clinics cover in orderly manner the normal and pathologic states, the management of abnormal cases and of puerperal complications ..... 24 hours

**GYNECOLOGY I.** Lectures and clinical conferences. Professor Gruber and assistants. Covering the principles of gynecology. The course is introduced by a thorough review of the anatomy and physiology of the tract, then the theory and practice of the common diseases of women are systematically presented. The didactic work is supplemented by clinical demonstrations.

..... 12 hours

**Third Year**

**OBSTETRICS II (CLINICAL).** Lectures, demonstrations and clinics. Professor Gruber and assistants. The work comprises manikin drill in the mechanism and management of normal labor, the diagnosis of presentation, position, posture, etc. This is followed by the demonstrations of diagnostic methods and the mechanics of abnormal labor. The instructor performs the principal manual as well as instrumental operations upon the manikin. Opportunity is given to observe clinically cases of normal and abnormal pregnancy and especially to see living pathological pictures and to study the gross and microscopic pathology. The clinics are also devoted to diagnostic and operative obstetrics. Under the direction of instructors from the clinical staff, the students prepare the histories, assist in physical examinations, study gross and microscopic specimens, make provisional diagnoses and follow their cases to the delivery room. They are instructed in the methods of prenatal care, and are made familiar with the routine care of the mother and baby ..... 48 hours

**GYNECOLOGY II (CLINICAL).** Professor Gruber and assistants. The instruction consists of clinical lectures and diagnostic and operative clinics. The student is drilled in history taking, methods of examination, diagnosis, the use of gynecological instruments, operative technique and any post-operative procedures which may be indicated. In small sections each student receives individual instruction in physical examination and in gynecological therapeutics ..... 48 hours

**Fourth Year**

**HOSPITAL SERVICE.** Practical instruction in the technique and interpretation of pelvic examinations and demonstrations of selected operations. The student is given the opportunity to observe the living pathological condition and of studying the gross and minute pathology besides and the post-operative care of the patient.

**OPERATIVE CLINICS.** Patients in the gynecological wards are operated before the class by arrangement with the Department of Surgery. Students are assigned to cover all gynecological ward patients. They take histories, observe or assist at operations and follow the progress of patients.

**OUT-PATIENT ASSIGNMENTS.** Students are assigned to service for a designated period in the Out-Patient Department of the hospitals. Each student attends a number of patients in confinement and personally cares for patients in homes, under supervision of qualified instructors.

Pathological patients in the obstetrical out-patient service needing institutional treatment are brought to the hospitals for observation by the fourth-year class, and students have the opportunity under supervision of an instructor to deliver normal patients, assist at operations and to follow the routine care of the mother and baby.

**OPHTHALMOLOGY, OTORHINOLARYNGOLOGY AND  
BRONCHOESOPHAGOLOGY**

J. ERNEST LEUZINGER, D.O., M.Sc.(Ost), F.O.C.O., F.A.C.O.S., Professor—Chairman

H. MAHLON GEHMAN, D.O., M.Sc.(Ost), F.O.C.O., Professor of Ophthalmology

JOHN W. SHEETZ, JR., D.O., M.Sc.(Ost), F.O.C.O., Clinical Professor of Otorhinolaryngology and Bronchoesophagology

HARRY I. STEIN, A.B., D.O., M.Sc.(Oto), F.O.C.O., Assistant Professor of Otorhinolaryngology and Neuro-Otology

CHARLES W. SNYDER, JR., D.O., M.Sc.(Oto), Assistant Professor in Otorhinolaryngology

ALPHONSO MASCIOLI, D.O., M.Sc.(Oto), Associate—Otorhinolaryngology and Bronchoesophagology

T. KENNETH STANDRING, D.O., Associate in Ophthalmology

BERNARD M. ALPER, A.B., O.D., D.O., Clinical Assistant in Ophthalmology

MARTIN NIEFIELD, D.O., Clinical Assistant in Ophthalmology, Otorhinolaryngology and Bronchoesophagology

WESTON H. WERST, D.O., Clinical Assistant in Ophthalmology

HERBERT WEINBERG, D.O., Clinical Assistant in Ophthalmology

The courses in ophthalmology and otorhinolaryngology are given in the third and fourth years. Clinical lectures and demon-

strations to sections of the class form an important part of the work. The instruction is designed to meet the needs of a well-trained general practitioner. The purely osteopathic considerations involving etiology, pathology, diagnosis and treatment of eye, ear, nose and throat diseases are systematically discussed.

The work in bronchoscopy is designed to afford instruction to small groups of the senior class on those phases of peroral endoscopy that are considered of value to the general practitioner.

### Third Year

LARYNGOLOGY AND RHINOLOGY. Professor Leuzinger and associates. Lectures and clinical demonstrations, presenting from a practical standpoint, by means of case charts and models, the important osteopathic and surgical aspects of diseases of the nose and throat. The student is instructed in the use of instruments for examining the nose and throat as well as special osteopathic methods of examination and treatment. Stress is laid upon the nose and throat conditions encountered in general practice rather than in technical conditions. An intimate knowledge of the normal anatomy and physiology of these tracts is required as a basis for control and rational treatment ..... 24 hours

OTOLOGY. Professor Leuzinger and associates. Lectures, demonstrations and technical work covering in a practical manner the acute and chronic clinical affection of the ear. The various pathological conditions are described and demonstrated to the class by the use of models and anatomical specimens. Again, the subject is presented from the standpoint of the general practitioner, so that he may be qualified to handle intelligently the more common diseases and conditions requiring immediate attention. Particular regard is given to all forms of deafness. Results have been recorded in nearly all cases of catarrhal deafness under osteopathic methods. Operations are performed from time to time before the class to supplement the practical instruction.

..... 24 hours

OPHTHALMOLOGY. Professor Gehman and associates. The anatomy and physiology of the eye are reviewed. The pathological changes encountered in selected conditions are presented, with consideration of types, causes, relation to general diseases, diagnosis and treatment. Lectures cover osteopathic and surgical aspects of diseases of the eye. Refraction is taught and demonstrated in lectures covering three weeks. General optical principles introduce the topic of refractive errors. The symptoms and treatment of the errors of refraction, including the indications for and methods of prescribing glasses, by the various means and methods of refraction, with and without cycloplegics, are taught and demonstrated ..... 24 hours

**BRONCHOESOPHAGOLOGY.** Professor Leuzinger and staff. Clinical lectures and demonstrations. The students have the opportunity to become acquainted with the principles underlying the subject and to observe at close hand the actual treatment on clinical subjects. The clinical instruction is supplemented by cadaveric demonstrations, films, models and special dissections. ....12 hours

#### Fourth Year

**OPHTHALMOLOGY.** Professor Gehman and associates. Students assist in the examination of the eyes for glasses by the method of refraction; they become familiar with the use of the ophthalmoscope and retinoscope; also the study of the visual fields. They study the eyegrounds in relation to metabolic diseases and observe surgical procedures of the eye and its adnexa.

**LARYNGOLOGY AND RHINOLOGY.** Professor Leuzinger and associates. Practical examination of dispensary patients, also inpatients who are on clinic service. These patients are examined by the student under the direction of a supervisor, usually the member of the department on service at that time: both manipulative and local treatment of the nose and throat under the direction of a supervisor, and the correlation and evaluation of the patient with nose and throat diseases. In the hospital students observe surgical procedures of the throat and nose.

**OTOTOLOGY.** Professor Leuzinger and associates. Practical examination of the ear. The use of instruments and modern audiometric examination. Students assist in static and caloric tests and the examination and treatment of the ear, both locally and by manipulative therapy under supervision. In hospital they observe surgical procedures of the ear.

**BRONCHOESOPHAGOLOGY.** Professor Leuzinger and associates. Students in hospital assist and observe in peroral endoscopic examination and study problems and view the pathology through the bronchoscope; also direct laryngoscopy and direct examination of the esophagus and stomach by gastroscopy. The fourth year student gives no treatment in this highly specialized department; however, he is trained to do mirror laryngoscopy on clinic patients, and observes surgical procedures of the esophagus, larynx and neck.

#### OSTEOPATHIC MEDICINE

WILLIAM F. DAIBER, D.O., F.A.C.O.I., Professor—Chairman  
WILBUR P. LUTZ, D.O., F.A.C.O.I., Professor

THEODORE W. STIEGLER, JR., D.O., F.A.C.O.I., Clinical Professor  
VICTOR R. FISHER, D.O., M.Sc.(Int), F.A.C.O.I., Clinical Professor  
CLARENCE E. BALDWIN, D.O., F.A.C.O.I., Clinical Professor of Hematology  
HAROLD L. BRUNER, D.O., M.Sc.(Ost), F.A.C.O.I., Clinical Professor of Allergy  
JOHN J. McHENRY, D.O., Associate Professor of Rheumatology  
RALPH J. TOMEI, D.O., Associate Professor  
HARRY C. HESSDORFER, D.O., Assistant Professor  
HENRY B. HERBST, D.O., Assistant Professor of Peripheral Vascular Diseases  
JACOB B. RAPP, D.O., Assistant Professor of Rheumatology  
JAMES A. FRAZER, D.O., Assistant Professor  
ALBERT J. FORNACE, D.O., Assistant Professor  
WILLIAM J. GILLESPIE, D.O., Associate  
SIDNEY KOCHMAN, D.O., Associate  
DOMINIC E. MARSICO, D.O., M.Sc.(Ost), Associate  
JOSEPH E. GILETTO, D.O., M.Sc.(Ost), Associate  
THEODORE WEINBERG, B.S., D.O., Associate  
NATHANIEL N. BERMAN, D.O., Instructor  
ALBERT F. D'ALONZO, A.B., D.O., M.Sc.(Ost), Instructor  
GERALD SCHARF, B.A., D.O., Instructor  
ANTON H. CLAUS, A.B., D.O., Assistant  
WILLIAM H. LANDGREBE, D.O., Clinical Assistant  
ALVIN ROSEN, A.B., M.A., D.O., Clinical Assistant  
MORTON SILVER, A.B., M.A., D.O., Clinical Assistant  
H. ENRICO D'ALONZO, D.O., Instructor  
PHILIP K. EVANS, A.B., D.O., Clinical Assistant

### Visiting Lecturers

CHARLES M. WORRELL, D.O., F.A.C.O.I.

### First Year

EMERGENCIES. One hour a week the third term. The students are taught the means employed in giving intelligent first aid to the injured and in every-day medical and surgical emergencies. ....12 hours

### Second Year

PHYSICAL DIAGNOSIS. Professor Lutz and assistants. Lectures and demonstrations designed to have the student acquire an intimate knowledge of normal and abnormal signs, thus preparing him for the abundant abnormal conditions encountered in his clinical and bedside work to follow. The class is divided into small sections so that students may receive personal attention. ....96 hours

**SYMPTOMATOLOGY.** Professor Stiegler. Lectures and demonstrations. Two hours weekly throughout the first term. A systematic course comprising detailed consideration of symptoms and their interpretation and application in the practice of osteopathic medicine. Instruction in taking case histories.....24 hours

**CARDIOVASCULAR DISEASES.** Professors Daiber, Lutz, Fisher and Drs. Marsico and Giletto. Didactic lectures and demonstrations embracing the diseases of the heart and circulatory system. The aim of clinical lectures and demonstrations is the application of methods as given in the physical diagnosis course to the study of abnormal signs .....24 hours

**METABOLIC DISEASES.** Professor Tomei and Dr. Weinberg. One hour weekly during the third term. A lecture and demonstration course dealing with disorders of metabolism, food - deficiency diseases and problems of nutrition .....12 hours

**RHEUMATOLOGY.** Professors McHenry and Rapp. Lectures and demonstrations once weekly during the third term, embracing diseases of the joints and bones, diseases of muscles and myopathies without obvious change in the nervous system.  
.....12 hours

**GASTROENTEROLOGY.** Professors Tomei and Frazer. Lectures and demonstrations. This course is concerned with the necessary fundamental knowledge of diseases of the alimentary tract; the anatomy and physiology of the stomach and intestinal tract and the etiology, pathology, diagnosis and treatment of various gastro-intestinal conditions. Special attention is given to complete histories and physical examinations. The work is carried on through demonstrations with patients who are undergoing treatment .....12 hours

### Third Year

**RESPIRATORY DISEASES.** Professor Fisher and assistants. Lectures, clinical conferences. The didactic work embraces lectures and oral quizzes on the etiology, diagnosis and treatment of the diseases of the respiratory system .....36 hours

**CARDIOVASCULAR DISEASES.** Continuation .....24 hours

**DISEASES OF THE KIDNEY.** Professor Fornace and assistant. One lecture weekly during the first term covering those considerations of the kidney not covered in the special department of urology .....12 hours

**HEMATOLOGY.** Professor Clarence Baldwin and assistants. One hour weekly during the first term. A lecture and demonstration course dealing with anemias, diseases of the blood-forming organs, the hemorrhagic diseases, etc. ....24 hours

**GASTROENTEROLOGY.** Continuation .....24 hours

**ENDOCRINOLOGY.** Professor Tomei and Dr. Weinberg. Lectures and clinical demonstrations on diseases of the ductless glands. ....24 hours

**PERIPHERAL VASCULAR DISEASES.** Professor Herbst. One lecture weekly with lantern slides. Emphasizes differential diagnosis and therapy, particularly manipulative treatment .....12 hours

**CARDIOVASCULAR DISEASES II.** A panel discussion course with four or more department members and/or guest faculty reviewing prepared questions and questions submitted by the class for discussion .....24 hours

**CLINIC PRESENTATION I.** Professor Daiber. One hour weekly for correlation of studies leading to diagnosis and treatment. Patients are presented, with emphasis on the importance of careful and accurate history-taking and physical examination. Interpretation of laboratory data is discussed. The differential diagnosis is made a topic for student participation in prognosis and therapy. Patients are selected to demonstrate the more common conditions encountered in general practice .....36 hours

**CLINIC PRESENTATION II.** Professors Bruner, Fornace, Rapp and Tomei, and Drs. Marsico, Giletto and Scharf. One hour weekly affording opportunity to present patients exhibiting the diseases lectured upon in didactic courses .....36 hours

**ALLERGY.** Professor Bruner. Special attention to this area with particular application of the osteopathic concept with regard to marshalling the inherent defensive processes of the body to their maximum efficiency through osteopathic procedures .....12 hours

#### Fourth Year

Students accompany staff physicians, residents and interns, on rounds in the hospitals. On clinic service, the student has available consultants in the persons of supervising physicians and members of the Department of Osteopathic Medicine, for guidance in diagnosing and managing his cases.

## OSTEOPATHIC PRINCIPLES AND PRACTICE

ANGUS G. CATHIE, D.O., M.Sc.(Anat), Professor—Acting Chairman  
 C. HADDON SODEN, D.O., M.Sc.(Ost), Professor Emeritus  
 DAVID HEILIG, A.B., D.O., M.Sc.(Ost), Clinical Professor  
 BARBARA REDDING, D.O., M.Sc.(Ost), Assistant Professor—Hospital Clerkship Director  
 NICHOLAS S. NICHOLAS, D.O., Demonstrator  
 CARL FISCHER, D.O., Demonstrator  
 E. HERBERT FISCHER, D.O., Demonstrator  
 JOHN L. CIONCI, D.O., Instructor  
 ROBERT E. L. PURVIS, B.S., D.O., Instructor  
 ERNEST ATTELLA, A.B., D.O., Clinical Assistant  
 ALBERT GRAYCE, D.O., Clinical Assistant  
 HOWARD LIPPINCOTT, D.O., Clinical Assistant  
 ELEANOR MASTERSON, A.B., D.O., Clinical Assistant  
 WILLIAM REYNOLDS, D.O., Clinical Assistant  
 HOWARD SCHULTZ, D.O., Clinical Assistant

### Visiting Lecturers

LEONARD M. HILLERSON, D.D.S.      GEORGE W. NORTHRUP, D.O.  
 C. PAUL SNYDER, D.O., F.O.C.O., D.Sc.(Ost)

### First Year

PRINCIPLES AND PRACTICE I (HISTORY OF MEDICINE AND OSTEOPATHY). Dean Sherwood R. Mercer. One hour weekly during the first term. The material presented is directed toward familiarizing the student with the founders, development, and growth of the osteopathic profession .....12 hours

(FUNDAMENTALS OF OSTEOPATHY). Professors Cathie, and Heilig; Drs. England, Masterson, Purvis, and Schultz. One lecture and one practice session weekly. The osteopathic philosophy and concept is presented. Body types, symmetry, asymmetry of the regions of the body, the relationship of regions of the body in various postures is demonstrated. The work is correlated with the course in Descriptive Anatomy. Practice session sheets for the recording of observations are used in this course .....36 hours

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TOTAL 48 hours

### First Year

PRINCIPLES AND PRACTICE II (BODY MECHANICS AND BODY UNITY). Prof. Cathie, Drs. England, Masterson, Purvis, and Schultz. A continuation of the work presented during the first term. The physiologic motions of the spine are considered in

both lecture and practice session. Active and passive regional motion, and tests for motion are studied and comparisons made on several subjects. The evaluation of all findings is made. The surface anatomy of each part is studied for the purpose of laying the ground work necessary for accurate examination of the musculoskeletal system and for correlation with the work in Physical Diagnosis .....48 hours

#### First Year

PRINCIPLES AND PRACTICE III (TISSUE CHANGE AND LESION DIAGNOSIS). Prof. Cathie, Drs. England, Masterson, Purvis, and Schultz. The osteopathic lesion complex is studied and includes the neuroanatomic basis of the lesion. This is correlated with the course in Anatomy of the Nervous System. The study of intersegmental motion characteristic in each area is stressed. The detection of tissue change and specific lesion diagnosis is continued .....24 hours

#### Second Year

PRINCIPLES AND PRACTICE IV (MECHANICS AND LESION PATHOLOGY AND LESION CORRECTION). Prof. Cathie, Drs. Atella and Masterson. Forces acting on and through the spine, causes of lesions and their classification is further developed and combined with the pathology of the lesion and articular strain. Regional study and the special mechanics of transitional areas is presented. The surface markings, inspection, palpation, and motion of each part is studied on subjects of various body types. Principles of lesion correction in relation to the structure and condition of the area is studied .....48 hours

#### Second Year

PRINCIPLES AND PRACTICE V (MECHANICS AND LESION PATHOLOGY AND LESION CORRECTION). Prof. Cathie and Heilig, Drs. Atella and Masterson. Surface markings of all parts studied and special regional tests are continued as appendicular attachments are considered. Principles of fascial technique are taught and practiced .....48 hours

#### Second Year

PRINCIPLES AND PRACTICE VI (MANIPULATIVE TECHNIQUE). Prof. Cathie, Drs. Atella and Masterson. Technique designed for the various spinal regions is given continued consideration. The technique best suited for the condition of the tissues is considered. Appendicular technique is introduced this trimester .....48 hours

**Third Year**

**PRINCIPLES AND PRACTICE VII (APPENDICULAR AND ADVANCED TECHNIQUE).** Prof. Cathie, Drs. Atella, England, H. Fischer, Lippincott, Purvis, and Visiting Lecturers. Detailed examination and diagnosis of changes in the extremities is carried out. Technique indicated by the condition found is demonstrated and practiced. Special and advanced technique is included in this term.

.....48 hours

**Third Year**

**PRINCIPLES AND PRACTICE VIII (ATHLETIC INJURIES; ADVANCED TECHNIQUE).** Prof. Cathie, Drs. Nicholas, Atella, England, Lippincott, Purvis, and Visiting Lecturers. One hour weekly during the second term. The diagnosis and treatment of athletic injuries with special attention to their prevention and emergency care. Techniques for strapping are shown in detail. Additional study of the extremities and their relation to spinal changes is featured in the practice sessions. Special forms for the recording of structural changes are used .....

24 hours

**Third Year**

**PRINCIPLES AND PRACTICE IX (CASE MANAGEMENT).** Prof. Cathie and Heilig, Drs. Atella, England, H. Fischer, Lippincott, Nicholas, Purvis, and Visiting Lecturers. Structural Diagnosis and case management is presented by Dr. Heilig .....

12 hours

Manipulative Management is discussed and demonstrated in detail.

**PRINCIPLES AND PRACTICE X (BEDSIDE TECHNIQUE).** Prof. Redding—Hospital and general bedside osteopathic care is demonstrated and practiced by the students. The class is divided into sections, each section receives two practice sessions of instruction.

.....4 hours

**SPECIAL TECHNIQUE.** Prof. Cathie and Heilig. Drs. England, Masterson, and Schultz Manipulative methods directed toward visceral and vascular disturbances. This section also includes two groups of patients from the general clinic for the purpose of further study of appendicular problems.

**Fourth Year**

In the out-patient department and hospital, the osteopathic diagnosis and treatment of patients is given priority in the work of

the fourth year students. In the out-patient department he aims to evaluate the osteopathic indices by palpation and direct methods before history taking and dealing with the presenting symptom or symptom pattern. Hospital clerkship involves application of bedside manipulative techniques

## PATHOLOGY

TOBIAS SHILD, D.O., M.Sc.(Ost), Associate Professor, Acting Executive Officer

RUTH V. E. WADDEL, D.O., Associate Professor

MORTON GREENWALD, A.B., D.O., M.Sc.(Path), Assistant Professor

### Second Year

#### PATHOLOGY I (Principles).

*First Term.* Professor Shild and staff. Lectures, 48 hrs; Laboratory, 72 hrs. The course is devoted to the gross and microscopic study of the general pathological processes upon which the principles of pathology depend; namely, retrograde and progressive changes, circulatory changes, inflammation, regeneration, malformations, neoplasia, chemical and physical injuries, etc. As far as possible, lecture and laboratory presentations are correlated. Individual sets of microscopic slides are issued to each student, covering the various phases of the course. A museum of several thousand specimens provides ample demonstration material. Color slides taken at surgery and autopsy are used as additional teaching aids. Microprojection is also used extensively. The fundamental principles of autopsy examination are demonstrated. Students shall attend post mortem examinations under the direction of the Department of Pathology. Each student shall prepare protocols on at least six of the autopsies attended.

.....120 hours

#### PATHOLOGY II (Systemic).

*Second Term.* Professor Shild and staff. Lectures, 72 hrs; Laboratory, 72 hrs. The principles of pathology are applied in the study of the diseases of the organ systems of the body, by correlated lecture and laboratory presentations. The histological features of the pathological processes are studied in correlation with the gross anatomical and physiological alterations of the tissues, thus maintaining a unified concept of disease. The aids of microprojection, museum specimens and color slides are used throughout the course. The gross and microscopic features of fresh specimens from surgical operations and autopsies are demon-

strated and correlated with the clinical findings of a given case. Individual microscopic slide sets are issued each student as in Pathology I ..... 144 hours

### **PATHOLOGY III (Clinical).**

*Third Term.* Professor Shild and staff. Lectures, 72 hrs; Laboratory 36 hrs. The field of laboratory diagnosis is covered by lectures, demonstrations and individual laboratory work. The basic principles and tests presented in biochemistry, microbiology, parasitology, physiology and pathology are applied to examinations of the blood, urine, feces, gastric contents, spinal fluid, exudates and transudates, etc. The field of cytological diagnosis of cancer is presented, including techniques and interpretation. Particular emphasis is placed upon the clinical interpretation of results from such examinations whereby the physical, clinical and laboratory findings are correlated in order to arrive at a diagnosis. .... 108 hours

### **Third Year**

#### **PATHOLOGY IV (Clinical Laboratory).**

*First Term.* Professor Shild and staff. Laboratory, 36 hrs. This course is a continuation of the laboratory work of Pathology III, as described above. Emphasis is placed upon individual participation. The aim of the course is to prepare the student to perform and accurately interpret basic laboratory procedures required of an intern and a physician in practice ..... 36 hours

### **Fourth Year**

The Department of Pathology participates in the weekly Tumor Conference as well as in other clinico-pathological conferences of the college and hospitals. Attendance at autopsies by senior students, provides a direct correlation of clinical findings with pathological processes.

### **PEDIATRICS**

RUTH ELIZABETH TINLEY, A.B., D.O., M.Sc.(Ost), F.A.C.O.P., Professor Emeritus

WILLIAM S. SPAETH, D.O., M.Sc.(Ped), F.A.C.O.P., Professor—Chairman

F. MUNRO PURSE, D.O., M.Sc.(Ped), Associate Professor

THOMAS F. SANTUCCI, D.O., M.Sc.(Ped), F.A.C.O.P., Assistant Professor

OTTO M. KURSCHNER, A.B., D.O., M.Sc.(Ped), F.A.C.O.P., Assistant Professor

SAMUEL L. CARUSO, A.B., D.O., Lecturer

MAX MARCUS, A.B., D.O., Clinical Assistant

GUERDAN, DONALD C., B.S., D.O., Clinical Assistant

The program in pediatrics consists of lectures, clinics, section instruction and case presentations. Small groups of students are assigned as clinical clerks to the children's clinic, where abundant material is afforded the student. Patients are assigned and the histories, physical examinations, laboratory data and progress notes are checked by the attending staff. Emphasis is placed on the relation of pediatrics to public health and community problems and on the preventive aspects of pediatrics.

### **Second Year**

PEDIATRICS I. Professor Spaeth and Dr. Caruso. Lectures and demonstrations. The didactic work first considers the normal child, his anatomy, physiology and development. Careful considerations are given to the procedure of physical examination, the hygiene of childhood and infant feeding.....12 hours

PEDIATRICS II (INFECTIOUS DISEASES). Professor Santucci. Lectures and clinics embracing the etiology, symptomatology, diagnosis and treatment of the more common infectious diseases. ....36 hours

### **Third Year**

PEDIATRICS III. Professor Purse. The general diagnosis, symptomatology and treatment of the gastro-intestinal diseases peculiar to infancy and childhood .....12 hours

PEDIATRIC IV. Professor Kurschner. Lectures on pediatric cardiology and diseases of the respiratory system in infancy and childhood. Clinical instruction supplements the lectures .....12 hours

PEDIATRICS V. Professor Spaeth. Lectures on tuberculosis and genitourinary diseases in the pediatric age group .....12 hours

### **Fourth Year**

Professor Spaeth and staff. Conferences are held in the out-patient department. The patient's case history, physical findings and laboratory procedures are presented to the students. The case is then analyzed by the students, establishing a provisional diagnosis. The staff then reviews the case and establishes the final diagnosis. Free discussions are encouraged.

HOSPITAL INSTRUCTION. Each student in the hospital takes case histories and observes physical examinations, laboratory procedures, analysis, management and treatment. Osteopathic management of cases is demonstrated.

**OUTPATIENT DEPARTMENT.** Six hours a week the students examine sick children in the Outpatient Department. A complete history and thorough examination is stressed. Each child's case is reviewed by the staff supervisor; diagnosis and treatment are discussed. If consultation is deemed necessary, consulting pediatrician or other specialty departments see the case. The students are urged and encouraged to attend the consultation.

### PHYSICAL THERAPY

JOSEPH L. HAYES, D.O., Emeritus Professor—Chairman

#### Third Year

**PHYSICAL THERAPY.** Professor Hayes. Lectures and demonstrations covering the principles and applications of modalities. ....12 hours

#### Fourth Year

Application of the modalities when indicated in the management of clinic patients offers a wide range of laboratory experience.

### PHYSIOLOGY AND PHARMACOLOGY

SPENCER G. BRADFORD, D.O., Associate Professor—Acting Executive Officer  
 MEYER KIRSCHBAUM, B.S., D.O., Associate  
 WILLIAM BILBOW, B.S., D.O., Instructor  
 FRANK B. FALBEY, D.O., Instructor  
 PAUL H. THOMAS, D.O., Instructor

#### First Year

**PHYSIOLOGY I.** General. Dr. Bradford and assistants. Students are presented the basic principles of physiology, covering the blood, circulation, respiration, and the fundamental muscular and nervous physiology. They are indoctrinated in the fundamentals of the functional phases of the systems included in this portion of the course. At all times the osteopathic concept is emphasized. In addition to the basic physiology, the initial bridging levels between the basic science and the clinical phases are established with records to illustrate the physiological principles. The conference system of instruction is used and a highly integrated program of audio-visual aids supplements the Lectures and Conferences .....132 hours

#### Second Year

**PHYSIOLOGY II.** Dr. Bradford and assistants. The method of approach is the same as in Physiology I. The subject matter comprises digestion, kidney, endocrine system and the central

nervous system and special senses. The aim is to teach basic physiological principles with clinical applications as indicated.

.....132 hours

**PHARMACOLOGY I.** Dr. Bradford. The pharmacodynamics of the agents described in classes studying the central nervous system, cardiovascular system and so forth, utilizing a representative member of each group for detail study insofar as the site of action and effects are concerned and clinical applications in making comparative studies with other members of the group as to their variable actions and side actions .....132 hours

**PHARMACOLOGY II (TOXICOLOGY AND MATERIA MEDICA).** These two concurrent courses are an extension of Pharmacology I. Toxicology offers instruction in the principles of recognition, treatment, and prevention of poisoning, as well as detailed coverage of the principal toxic agents. Materia Medica develops the discussion begun in Pharmacology I by dealing with the sources, preparation and prescription of drugs .....36 hours

#### Fourth Year

While there are no formal courses in physiology and pharmacology during the fourth year, consultations on the subjects in connection with hospital and clinic cases are constantly being held.

### PUBLIC RELATIONS AND PROFESSIONAL ECONOMICS

#### Third Year

THOMAS M. ROWLAND, JR., B.S., Instructor

JOHN DEANGELIS, B.C.S., M.C.S., C.P.A., Instructor

This course is based on the Code of Ethics of the American Osteopathic Association, the relationships and responsibilities of the osteopathic physician to the community, his professional associates, his patients and himself, particularly in the practical implementation of public relations skills. Emphasis is also placed on office management, tax procedures, accounting and record keeping. Third term .....12 hours

### RADIOLOGY

PAUL T. LLOYD, D.O., M.Sc.(Ost), D.Sc., F.A.O.C.R., Professor—Chairman  
KENNETH L. WHEELER, D.O., M.Sc.(Ost), F.A.C.O.S., Clinical Professor

A. ALINE SWIFT, D.O., M.Sc.(Ost), Associate Professor

JOHN J. GILLIGAN, A.B., D.O., M.Sc.(Rad), Assistant Professor

QUENTIN R. FLICKINGER, D.O., M.Sc.(Rad), Lecturer

ROBERT L. MEALS, B.S., D.O., Fellow

**Visiting Lecturers**

WILLIAM E. BETTS, JR., B.A., D.O., M.Sc.(Rad)	C. E. MANDEVILLE, A.B., M.A., PH.D. JAY R. MILLER, D.O.
THEODORE C. HOBBS, D.O.	M. CARMAN PETTAPIECE, D.O.
GEORGE B. HYLANDER, D.O.	ROBERT R. ROSENBAUM, A.B., D.O.
CHARLES J. KARIBO, D.O.	

The Department of Radiology offers instruction designed to acquaint the student with the physical properties and the biological effects of ionizing radiations, and their applications to the fields of diagnostic and therapeutic medicine.

**First Year**

**RADIOLOGY I.** Professor Lloyd and Dr. Mandeville. An introductory course in medical radiology covering fundamental radio physics, radio biology and also the scope of roentgen rays, radium and radio isotopes in the diagnosis and treatment of disease and in the fields of research and investigation ..... 12 hours

**RADIOLOGY II.** Professor Lloyd. In the third term this course, dealing with anatomy as demonstrated by the roentgen ray, is given in collaboration with Professor Cathie and the Department of Anatomy ..... 12 hours

**Second Year**

**RADIOLOGY III.** Professor Lloyd and assistants. In the second term exercises are given in physiology. Students are met in sections at the three fluoroscopic stations of the Department of Radiology. Examinations of the heart, lungs, and gastro-intestinal system are carried out by members of the Department of Radiology in collaboration with the Department of Physiology and Pharmacology ..... 12 hours

**Third Year**

**RADIOLOGY IV.** Professor Lloyd and assistants. Pathology as revealed by the roentgen ray. Film transparencies and lantern slides are utilized to demonstrate the pathologic phenomena associated with traumatic, metabolic, inflammatory and neoplastic conditions, together with developmental and degenerative states affecting the various systems of the body. Included in the course content are six hours of classroom instruction in radiological therapeutics ..... 36 hours

**Fourth Year**

The Department of Radiology actively participates in the conferences offered the fourth year students by the several depart-

ments of the College and its outpatient department, as well as the departmental conferences offered by the staff divisions of the hospitals.

### SURGERY

- DAVID S. B. PENNOCK, D.O., M.D., D.Sc.(Ost), F.A.C.O.S., Professor Emeritus
- FRANCIS J. SMITH, D.O., M.Sc.(Ost), F.A.C.O.A., F.A.C.O.S., Professor Emeritus of Anesthesiology
- JAMES M. EATON, D.O., M.Sc., F.A.C.O.S., F.A.C.O.A., Professor of Orthopedic Surgery—Chairman
- ARTHUR M. FLACK, JR., A.B., D.O., F.A.C.O.S., Professor—Vice-Chairman
- J. CRAIG WALSH, D.O., M.Sc.(Anes), F.A.C.O.A., F.A.C.O.S., Professor of Anesthesiology—Vice-Chairman, Anesthesiology
- CARLTON STREET, D.O., M.Sc.(Ost), F.A.C.O.S., Clinical Professor—Surgery
- GALEN S. YOUNG, D.O., M.Sc.(Sur), D.Sc., Clinical Professor—Surgery
- ENRIQUE G. VERGARA, A.B., D.O., F.A.O.C.Pr., Clinical Professor—Proctology
- DEWAINE L. GEDNEY, D.O., Associate Professor—Surgery
- ARNOLD GERBER, D.O., M.Sc.(OrthS), F.A.C.O.S., Associate Professor—Orthopedic Surgery
- ALBERT BONIER, D.O., Assistant Professor, Surgery
- GEORGE H. COURT, D.O., Assistant Professor—Surgery
- CHARLES A. HEMMER, A.B., D.O., Assistant Professor—Anesthesiology
- RAYMOND L. RUBERG, D.O., Assistant Professor—Surgery-Neurosurgery
- WARREN H. SWENSON, D.O., Assistant Professor—Surgery
- ROBERT A. WHINNEY, D.O., M.Sc.(UroS), Assistant Professor—Urology—Vice-Chairman, Urology
- MICHAEL M. COLEMAN, D.O., Associate—Proctology
- H. WILLARD STERRETT, JR., D.O., M.Sc.(UroS), Associate—Urology
- ISADORE LIEBERMAN, D.O., Lecturer—Anesthesiology
- CHARLES H. BRIMFIELD, D.O., F.A.C.O.S., Lecturer—Orthopedic Surgery
- GLEN W. COLE, D.O., Lecturer—Orthopedic Surgery
- HERMAN E. POPPE, D.O., Lecturer—Orthopedic Surgery
- DOMINIC J. SALERNO, D.O., M.Sc.(OrthS), Lecturer—Orthopedic Surgery
- HENRY ANTHONY D'ALONZO, D.O., M.Sc.(Sur), Lecturer—Surgery
- HARTLEY R. STEINSNYDER, D.O., M.Sc.(UroS), Lecturer—Urology
- PAUL S. YOUNG, D.O., M.Sc.(Ost), Instructor—Surgery
- DAVID SILVERMAN, D.O., Assistant
- WILLIAM E. BRIGLIA, D.O., Clinical Assistant—Proctology
- MARTIN E. FARBER, D.O., Clinical Assistant—Proctology
- JOHN J. FLEITZ, A.B., D.O., Clinical Assistant—Proctology
- JOHN W. BARNARD, A.B., D.O., Clinical Assistant—Anesthesiology
- THOMAS L. MOY, D.O., Clinical Assistant—Anesthesiology

### First Year

SURGERY I (MINOR). Lectures and demonstrations in the use of bandages, dressings, splints and their applica-

tion, and the means employed in giving first aid to the injured in common accidents and emergencies with other elementary subjects and an introduction to clinical problems. The student is thoroughly schooled in the principles of asepsis, antisepsis, sterilization, dressings, sutures, ligatures, the technique of the operating room, instruments used in surgery, etc. ....12 hours

### **Second Year**

**SURGERY II (TRAUMATIC).** Professor Gerber. Lectures, operative clinics, and demonstrations designed to ground the student in the principles underlying diagnosis and treatment. The course comprises a series of lectures and demonstrations on surgical trauma and infections, wound repair, hemorrhage and shock, tumors, aneurysm, diseases of bones and joints, fractures and dislocations. Patients are presented and discussed and operations performed, giving the student an intelligent grasp of the purpose and design of operative procedure and enabling him to become familiar with the fundamental principles of anesthesia, asepsis, the control of hemorrhage, surgical technique, operative indications, methods of operation, post-operative care, etc. ....24 hours

### **Third Year**

**SURGERY II (TRAUMATIC).** Professor Gerber. Lectures and demonstrations designed to present to the student the principles and concepts of the diagnosis and treatment of dislocations and fractures. The skeletal system alone is covered in the first term. In the second term the subject matter is primarily that of the handling of the patient with specific trauma due to massive lacerations, gunshot wounds and burns. In addition a number of lectures are devoted to acquaint the student with the legal implications of the traumatized patient from the liability and workmen's compensation aspect. The third term initiates the student in orthopedic surgery with the start of the study of surgical diseases of bone .....36 hours

**SURGERY III (GENERAL).** Professors Flack and Young. Lectures and conferences dealing with regional surgery, including the study of gross pathology, surgical diagnosis and differential diagnosis. Clinical lectures during the performance of various operations with emphasis placed on diagnosis, treatment and after care .....72 hours

**SURGERY IV (ORTHOPEDIC).** Professor Eaton and assistants. Lectures and demonstrations, with formal exercises which serve as an introduction to clinical work. The course covers tuberculosis of bones and joints, spinal deformities, congenital malforma-

tions, traumatic and acquired deformities, etc., and the use and application of orthopedic apparatus. The clinic material available includes all classes of orthopedic cases .....48 hours

**SURGERY V (PROCTOLOGY).** Professor Vergara and Dr. Coleman. Lectures, demonstrations and clinics. The anatomy and physiology of the rectum are reviewed, and the etiology, pathology, diagnosis and treatment of various rectal affections are considered. The dispensary is equipped with instruments and apparatus to study important clinical phases. Emphasis is upon osteopathic considerations in etiology and therapeutics. X-ray films and lantern slides supplement the instruction .....24 hours

**CADAVERIC SURGERY VI.** Dr. D'Alonzo. In the dissecting room, small sections of the class receive practical instruction in the treatment of surgical cases, including fractures, dislocations, appendectomies, minor surgery, amputations, ligations, the use and care of instruments, applications of dressings .....24 hours

**SURGERY OPERATIVE CLINICS.** Professor Eaton and assistants. Amphitheatre operative clinics. The patient is presented, the successive phases of the patient's complaint, history, examination and diagnosis are reviewed. The operation proceeds with discussion by the surgeon .....72 hours

**ANESTHESIA I.** Lectures and demonstrations. Professor Walsh and assistants. The general physiology of anesthesia; methods of producing general anesthesia; selection of the anesthetic; methods of administration; problems confronting the anesthetist; guides during the anesthesia, methods of resuscitation, etc.....12 hours

**UROLOGY I (GENITO-URINARY DISEASES).** Professor Whinney and Dr. Sterret. Lectures, demonstrations and clinics covering the fundamentals of genito-urinary diseases in preparation for the clinical work of the fourth year. Diagnosis, pre-operative and post-operative care of urologic cases are discussed .....12 hours

**UROLOGY II (VENEREAL DISEASES).** Professor Whinney and Dr. Sterrett. Lectures and demonstrations in the etiology, bacteriology, pathology, diagnosis and treatment of venereal diseases. Clinical demonstrations familiarize student with methods of diagnosis and treatment .....12 hours

**UROLOGY III (SECTION INSTRUCTION).** Professor Whinney and Dr. Sterrett. Urethral instrumentation, the use of cystoscope, technique of irrigation, x-ray diagnosis of retrograde catheterization and intravenous contrast media .....12 hours

**Fourth Year**

Fourth year students are required to observe operations at both 48th Street and North Center. The hospital-clerkship schedule involves a schooling in the fundamentals of operating room and anaesthesia room methods and behavior. Conferences in the course of the outpatient department schedule develop recognition by the student of conditions suggesting surgical reference.

**CANCER TRAINING**

**PAUL T. LLOYD, D.O., M.Sc.(Ost), D.Sc., F.A.O.C.R., Program Director**

**GEORGE H. COURT, D.O., Coordinator**

**ARTHUR M. FLACK, JR., A.B., D.O., F.A.C.O.S., Assistant**

The Cancer Training Program at Philadelphia College of Osteopathy is a project financed largely by a grant-in-aid from the National Cancer Institute, a division of the Public Health Service, U. S. Department of Health, Education and Welfare, designed to coordinate the undergraduate teaching of cancer. The specific objectives are:

- (1) To inform the student of the fundamental nature of cancer, of its natural history, etiology, incidence, pathology, clinical evaluation, diagnosis, treatment, prognosis and results.
- (2) To develop an alertness in the recognition of early cancer; that is, to make a high index of suspicion a reflex behavior pattern of the student.
- (3) To teach recognized methods of diagnosis and keep students informed of the development of any and all new and authentic diagnostic methods.
- (4) To teach the principles and results of definitive treatment of cancer as well as the palliative care of the incurable case and the proper management of the terminal patient.
- (5) To inform the student regarding the over-all care of cancer patients, including emotional, economic and social aspects of the disease.

A Tumor Clinic is held three times weekly in which patients are examined and investigated to determine the presence or absence of malignant disease. Students in clinical training take an active part.

The weekly Tumor Conference is held regularly on Fridays at 11:00 A.M. Problem cases are discussed from the standpoint of diagnosis and management. The members of the Tumor Committee together with assigned senior students participate actively in these conferences. Hospital Staff Physicians also are invited.

A series of lectures and film demonstrations is given two hours weekly during the second trimester to second year students, entitled "Introduction to Oncology." A series of special lectures is given in the third year, one hour weekly for two trimesters. These courses are in addition to the regular teaching of neoplastic diseases in the college departments.

### CARDIOVASCULAR TRAINING

WILLIAM F. DAIBER, D.O., F.A.C.O.I.—Program Director  
VICTOR R. FISHER, D.O., M.Sc.(Int), F.A.C.O.I., Lecturer  
ALBERT J. FORNACE, D.O., Lecturer  
JOSEPH E. GILETTO, D.O., M.Sc.(Ost), Lecturer  
SIDNEY KOCHMAN, D.O., Lecturer  
WILBUR P. LUTZ, D.O., F.A.C.O.I., Lecturer  
DOMINIC E. MARSICO, D.O., M.Sc.(Ost), Lecturer  
GERALD SCHARF, B.A., D.O., Lecturer  
RALPH J. TOMEI, D.O., Lecturer

The Cardiovascular Training Grant Program is sponsored by a grant from the National Heart Institute, a division of the Public Health Service, U. S. Department of Health, Education and Welfare, to "establish, expand, improve or continue instruction in the prevention, diagnosis and treatment of cardiovascular diseases."

The program has didactic course hours as well as heart station teaching. Two educational cardioscopes, one at each hospital, make it possible for the student to hear heart sounds at the same time he views either the stethographic tracing of murmurs or any lead of the electrocardiogram on a cathode ray picture tube. With the addition of fifty electric stethoscopes, seventy students may now listen and view the cardioscope at one time. This is a valuable advance in the teaching of physical diagnosis of the chest.

New courses have been added, notably a 22-hour course embracing panel discussions presenting informal discussion of the nature of cardiovascular phenomena with emphasis on coronary, hypertensive and rheumatic heart diseases. Provision is made here for the panel members (three or more) to answer students' questions on these diseases.

Twelve heart models representing silhouette changes in the various heart diseases demonstrate by means of a photofluorodemonstrator the appearance of the heart silhouette in any position at cardiac fluoroscopy.

Outstanding films in sound and color and a continually growing lantern slide library (now above 600 slides) implement the lectures. Books on cardiovascular disease are at each heart station. Important new volumes are placed in the college library upon publication.

The aim of the program is: (1) to improve the student's diagnostic acumen by stressing physical diagnosis and its practical application in the heart station and at the bedside, (2) to emphasize preventive medicine as it applies to this field and (3) to teach rationalization in therapy as well as the details of management.

#### MENTAL HEALTH TRAINING

The Mental Health Training Program is a project financed largely by a grant-in-aid from the National Institute of Mental Health, a division of the Public Health Service, U. S. Department of Health, Education and Welfare. The general purpose to be served under the grant is to provide increased undergraduate opportunity for practical experience in diagnostic and treatment methods in psychiatry.

## SYNOPSIS OF CURRICULUM

## FIRST YEAR

## FIRST TERM

	Didactic	Laboratory or Clinical	Total
Anatomy I (Gross) .....	72	108	180
Anatomy II (Microscopic) .....	36	72	108
Chemistry I .....	48	84	132
Microbiology and Public Health			
Personal Hygiene .....	12	..	12
Osteopathic Principles and Practice			
Fundamentals and History I .....	24	24	48
Total .....	192	288	480

## SECOND TERM

	Didactic	Laboratory or Clinical	Total
Anatomy I (Gross) .....	72	108	180
Anatomy II (Microscopic) .....	36	72	108
Chemistry I .....	48	72	120
Osteopathic Principles and Practice			
Body Mechanics II .....	24	24	48
Psychiatry I .....	12	..	12
Radiology I .....	12	..	12
Surgery I .....	12	..	12
Total .....	216	276	492

## THIRD TERM

	Didactic	Laboratory or Clinical	Total
Anatomy I (Gross) .....	72	108	180
Microbiology and Public Health			
Parasitology .....	36	72	108
Osteopathic Medicine			
Medical Emergencies .....	12	..	12
Osteopathic Principles and Practice			
Vertebral Mechanics III .....	12	12	24
Physiology I .....	60	72	132
Psychiatry II .....	24	..	24
Radiology II .....	12	..	12
Total .....	228	264	492
Grand Totals (First Year) .....	636	828	1464

**SECOND YEAR****FIRST TERM**

	Didactic	Laboratory or Clinical	Total
Microbiology and Public Health			
Microbiology .....	36	72	108
Neurology I .....	12	..	12
Osteopathic Medicine			
Physical Diagnosis .....	24	..	24
Symptomatology .....	12	..	12
Osteopathic Principles and Practice			
Mechanics IV .....	24	24	48
Pathology I .....	48	72	120
Physiology II .....	60	72	132
Psychiatry III .....	12	..	12
Total .....	228	240	468

**SECOND TERM**

	Didactic	Laboratory or Clinical	Total
Cancer Training:			
Introduction to Oncology .....	24	..	24
Microbiology and Public Health			
Principles of Public Health .....	12	..	12
Neurology II .....	24	..	24
Osteopathic Medicine			
Physical Diagnosis .....	24	24	48
Symptomatology .....	12	..	12
Osteopathic Principles and Practice			
Manipulative Technique V .....	24	24	48
Pathology II .....	72	72	144
Pharmacology I .....	60	72	132
Psychiatry III .....	12	..	12
Radiology III .....	12	..	12
Surgery			
Traumatic II .....	12	..	12
Total .....	288	192	480

**THIRD TERM**

	Didactic	Laboratory or Clinical	Total
Chemistry II (Clinical Lab.) .....	..	24	24
Gynecology I .....	12	..	12
Microbiology and Public Health			
Preventive Medicine .....	24	..	24
Neurology II .....	24	..	24
Obstetrics I .....	24	..	24
Osteopathic Medicine			
Cardiovascular Disease .....	24	..	24
Gastroenterology .....	12	..	12
Metabolic Diseases .....	12	..	12
Physical Diagnosis .....	..	24	24
Rheumatology .....	12	..	12
Osteopathic Principles and Practice			
Appendicular VI .....	24	24	48
Pathology III .....	48	36	84
Pediatrics I .....	36	..	36
Pediatrics II .....	12	..	12
Pharmacology II			
Toxicology .....	24	..	24
Materia Medica .....	12	..	12
Psychiatry IV .....	12	..	12
Surgery			
Traumatic II .....	12	..	12
Total .....	324	108	432
Grand Totals (Second Year) .....	840	540	1380

## THIRD YEAR

## FIRST TERM

	Didactic	Laboratory or Clinical	Total
Applied Anatomy III .....	36	..	36
Dermatology .....	12	..	12
Gynecology II .....	24	..	24
Microbiology and Public Health			
Industrial Hygiene .....	12	..	12
Obstetrics II .....	24	..	24
Osteopathic Medicine			
Allergic Disease .....	12	..	12
Cardiovascular Diseases .....	24	..	24
Clinic Presentation .....	24	..	24
Diseases of Kidney .....	12	..	12
Gastroenterology .....	24	..	24
Osteopathic Principles and Practice			
Diagnosis and Management VII .....	24	24	48
Pathology IV (Clinical Lab.) .....	..	36	36
Pediatrics III .....	12	..	12
Psychiatry IV .....	24	..	24
Radiology IV .....	12	..	12
Rhinolaryngology .....	24	..	24
Surgery			
Operative Clinic .....	..	24	24
Traumatic II .....	12	..	12
General III .....	24	..	24
Urology I .....	12	..	12
Total .....	348	84	432

## SECOND TERM

	Didactic	Laboratory or Clinical	Total
Applied Anatomy III .....	36	..	36
Cancer Training .....	12	..	12
Oncology .....	12	..	12
Dermatology .....	12	..	12
Gynecology II .....	12	..	12
Microbiology and Public Health			
Clinical Bacteriology—Serology and Immunology .....	..	24	24
Tropical Medicine .....	12	24	36
Obstetrics II .....	24	..	24
Osteopathic Medicine			
Clinic Presentation .....	24	..	24
Endocrinology .....	12	..	12
Peripheral Vascular Diseases .....	12	..	12
Respiratory Diseases .....	12	..	12
Osteopathic Principles and Practice			
Diagnosis and Management VII .....	12	24	36
Athletic Injuries VIII .....	24	..	24
Otology .....	24	..	24
Pediatrics IV .....	12	..	12
Physical Therapy .....	12	..	12
Psychiatry IV .....	12	..	12
Radiology IV .....	12	..	12
Surgery			
Operative Clinic .....	..	24	24
Traumatic II .....	12	..	12
General III .....	24	..	24
Orthopedic IV .....	24	..	24
Cadaveric VI .....	..	24	24
Urology II .....	12	..	12
Total .....	360	120	480

		THIRD TERM	Laboratory or Clinical	Total
	Didactic			
Applied Anatomy III .....	12	..		12
Bronchoesophagology .....	12	..		12
Cancer Training .....	12	..		12
Dermatology .....	12	..		12
Gynecology II .....	12	..		12
Medical Jurisprudence .....	12	..		12
Ophthalmology .....	24	..		24
Osteopathic Medicine				
Cardiology .....	24	..		24
Clinic Presentation .....	24	..		24
Endocrinology .....	12	..		12
Hematology .....	24	..		24
Respiratory Diseases .....	24	..		24
Osteopathic Principles and Practice				
Diagnosis and Management VII .....	24	..		24
Special Technique IX .....	12	..		12
Bedside X .....	12	..		12
Pediatrics V .....	12	..		12
Psychiatry IV .....	12	..		12
Public Relations I .....	12	..		12
Radiology IV .....	12	..		12
Surgery				
Anesthesiology I .....	12	..		12
Operative Clinic .....	..	24		24
Traumatic II .....	12	..		12
General III .....	24	..		24
Orthopedic IV .....	24	..		24
Proctology .....	24	..		24
Urology III .....	12	..		12
Syphilology .....	12	..		12
Totals .....	420	24		444
Grand Totals (Third Year) .....	1128	228		1356

#### FOURTH YEAR

The fourth year at the College is a full clinical year, from Commencement to Commencement. Each senior spends six weeks during the summer in the Clinic and Hospital.

Throughout the fourth year students are rotated through an extensive clinical out-patient service and hospital clerkship. The hospital training program is supplemented each week by lectures and selected case presentations. Laboratory and conference work is assigned in conjunction with the service schedule. Examinations of a practical type are given which test the student's pre-clinical background and his professional progress in diagnosis and case analysis.

This fourth year program achieves its full potentialities through the wealth of clinical material available at the 48th Street and the North Center units.

.....2024 hours (920 Clinic; 1104 Hospital)

GRAND TOTAL FOR FOUR YEARS: 6224 hours (2604 Lecture; 1596 Laboratory; 920 Clinic; 1104 Hospital).

## **Postdoctoral Studies**



## **Postdoctoral Studies**

The Philadelphia College of Osteopathy has for several years conducted a program of postgraduate courses designed to meet the needs of osteopathic physicians engaged in general practice, specialty practice or preparing for specialty certification.

Because of the changing trends in postgraduate medical education and the demand of a greater number of physicians for short term courses as well as hospitals approved for residence training but unable to provide the required basic science courses, a revision of courses was necessary. All courses have been carefully planned and correlated so they can be taken as a single course or as a group of several closely related courses in a single year or over a period of several years. The basic science courses have been completely revised. The courses in anatomy have been made as practical as possible by giving all instruction in the anatomy laboratory and allowing each student an opportunity to participate in dissection. Pathology, microbiology, physiology, pharmacology and biochemistry have been combined in a series of integrated basic science courses which enable the student to see clearly the correlation with the clinical subjects. The practical aspects of the basic sciences are stressed throughout each course.

The complete program of the Division of Postgraduate Studies also includes rotating internships, residencies in various specialties, fellowships and Master of Science courses.

### **ADMISSION REQUIREMENTS**

Enrollment in each course is limited so that each student may obtain maximum instruction; therefore it is recommended that application be made as early as possible.

The minimum requirements for admission to postgraduate courses are:

1. Graduation from a college of osteopathy approved by the American Osteopathic Association.
2. Graduates of approved medical colleges must present evidence of comparable academic training and of having attained the same level of professional competence as graduates of approved colleges of osteopathy.

3. A record of scholastic and clinical achievement indicative of his ability to benefit fully from postgraduate study.

The minimum requirements for admission to internship are:

1. Graduation from a college of osteopathy approved by the American Osteopathic Association.
2. A record of scholastic achievement indicative of his ability to benefit from the year of rotating internship.

The minimum requirements for admission to fellowships and residency in one of the various specialties are:

1. Graduation from a college of osteopathy approved by the American Osteopathic Association.
2. Completion of an internship approved by the American Osteopathic Association.
3. A record of his scholastic and clinical achievement indicative of his ability to benefit fully from the fellowship or residency training program.

The minimum requirements for the degree of Master of Science in a clinical specialty are:

1. Graduation from a college of osteopathy approved by the American Osteopathic Association.
2. Completion of an internship approved by the American Osteopathic Association.
3. A record of his scholastic and clinical achievement indicative of his ability to benefit fully from the required course of study.
4. A record of at least 5,000 hours' work in a program approved by the college.
5. Present to the faculty an acceptable original thesis based upon a research project. The subject and detailed plan of the research project must be submitted in writing for approval by the Dean, the Director of Postgraduate Studies and the appropriate departmental chairman before the work is undertaken. Four copies of the thesis must be submitted in the required form.

#### **REGISTRATION AND PAYMENT OF FEES**

A registration fee of five dollars must accompany application for admission to postgraduate courses.

To make a definite reservation, tuition must be paid in full upon notice of admission to postgraduate courses. The registration fee or tuition will not be returned if the applicant fails to attend.

If it becomes necessary to cancel courses due to insufficient registration or other unforeseen circumstances, notification will be made two weeks in advance of the starting date and all fees will be refunded.

Tuition fees are specified in the description of each course.

All applications and inquiries concerning admission to post-graduate courses should be addressed to the Office of the Director of Postgraduate Studies, Philadelphia College of Osteopathy, Administration Building, City Line and Monument Road, Philadelphia 31, Penna.

**Postdoctoral Studies****BASIC SCIENCE COURSES**

**B13—Endocrine, Renal, Fluids and Electrolyte Balance**  
**Mar. 14, 1960 to Mar. 18, 1960, inc.**

*Enrollment*

DR. ANITA H. ATKINS, PCO '58 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. DANIEL H. BELSKY, PCO '57 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. H. TREBING BURNARD, PCO '38 .....	Great Neck, L.I., N.Y.
DR. MORRIS J. CHERREY, PCO '44 .....	Clifton Heights, Penna.
DR. STEPHEN CRONEN, KC '48 .....	Erie, Penna.
DR. ARTHUR F. DEMARCO, PCO '57 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. JOSEPH M. DEVIVO, CCO '57 .....	Philadelphia (Resident, Metropolitan Hospital)
DR. ROBERT EPSTEN, CCO '49 .....	San Diego, Calif.
DR. VINCENT Q. FANTON, PCO '52 .....	Solon, Ohio
DR. PHILIP F. FLEISHER, PCO '50 .....	New York, N.Y.
DR. DANIEL FORD, PCO '43 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. JOHN J. HEISER, PCO '57 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. STUART B. HERRICK, JR., PCO '57 .....	Portland, Maine (Resident, Osteopathic Hospital of Maine)
DR. JUSTICE JAMES, KCOS '56 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. RONALD KAUFMAN, CCO '57 .....	Detroit, Mich. (Resident, Zeiger Hospital)
DR. FRANK W. KING, DMS '54 .....	Warrensville Heights, Ohio (Resident, Brentwood Hospital)
DR. THOMAS E. KIRTON, PCO '51 .....	Lancaster, Penna. (Resident, Lancaster Osteopathic Hospital)
DR. JOHN C. LESNIEWSKI, KCOS '58 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. ANTHONY M. LINFANTE, KCOS '54 .....	Grove City, Penna.
DR. GEORGE W. MASSAD, PCO '42 .....	Cuyahoga Falls, Ohio
DR. WILLIAM D. MILLER, PCO '45 .....	New York, N.Y.
DR. HARVEY MOGUL, PCO '44 .....	Levittown, Penna.
DR. LEONARD POPOWICH, PCO '58 .....	Philadelphia (Resident, Metropolitan Hospital)
DR. ALVIN ROSEN, PCO '53 .....	Philadelphia (P.C.O. Faculty Scholarship)
DR. MARVIN L. ROSNER, PCO '57 .....	Philadelphia (Resident, Metropolitan Hospital)
DR. EUGENE SANDS, CCO '50 .....	Detroit, Mich.
DR. C. J. SHAFFER, KCOS '37 .....	Youngstown, Ohio
DR. ALVIN J. SHAPIRO, DMS '57 .....	Oak Park, Mich. (Resident, Art Centre Hospital)

DR. CHARLES H. STULL, DMS '41 .....	Geneva, Ohio
DR. HERBERT J. TRIEHY, PCO '57 .....	Portland, Maine (Resident, Osteopathic Hospital of Maine)
DR. HENRY G. TRYBUS, KCOS '56 .....	Middlefield, Ohio

## B15—Growth, Bones and Joints, Nervous System

Feb. 15, 1960 to Feb. 19, 1960, inc.

*Enrollment*

DR. LOIS J. FARQUHARSON, KCOS '52 .....	Philadelphia
DR. ROBERT J. HINDMAN, DMS '51 .....	Plymouth, Mich.
DR. T. LOUISE RIDDELL, PCO '39 .....	Philadelphia
DR. MARVIN L. ROSNER, PCO '57 .....	Philadelphia (Resident, Metropolitan Hospital)
DR. HENRY SALKIND, PCO '56 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. RALPH SCHWARTZ, PCO '56 .....	York, Penna. (Resident, West Side Osteopathic Hospital)
DR. WILLIAM L. SMITH, KC '56 .....	Cleveland, Ohio
DR. JAMES E. THOMAS, PCO '58 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. JOHN J. WALSH, PCO '58 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. GEORGE B. ZINK, PCO '42 .....	Smethport, Penna.

## B16—Hematology, Inflammation, Infection and Resistance

Jan. 11, 1960 to Jan. 15, 1960, inc.

*Enrollment*

DR. ANITA H. ATKINS, PCO '57 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. MURRAY H. COHEN, PCO '58 .....	Philadelphia (Resident, Metropolitan Hospital)
DR. WILLIAM J. GILLESPIE, PCO '49 .....	Havertown, Penna. (P.C.O. Faculty Scholarship)
DR. DONALD GOODMAN, PCO '57 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. A. ALVIN GREBER, PCO '58 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. JOHN C. LESNIEWSKI, KCOS '58 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. HIRSCHEL A. MARTIN, DMS '52 .....	Cuyahoga Falls, Ohio (Resident, Green Cross General Hospital)
DR. PETER A. MARTIN, CCO '39 .....	Norwood, Ohio
DR. CHARLES H. STULL, DMS '41 .....	Geneva, Ohio
DR. WILLIAM J. TRIDICO, PCO '53 .....	York, Penna. (P.C.O. Faculty Scholarship)
DR. GEORGE B. ZINK, PCO '42 .....	Smethport, Penna.

## B12—Digestive System and Metabolism

Nov. 30, 1959 to Dec. 4, 1959, inc.

*Enrollment*

DR. MILLARD BASS, KCOS '57 .....	Philadelphia (Resident, Metropolitan Hospital)
DR. ROBERT BEAR, PCO '57 .....	Philadelphia (Resident, Hospital of the Philadelphia College of Osteopathy)

DR. H. TREBING BURNARD, PCO '38 .....	Great Neck, L.I., N.Y.
DR. CARL CROSS, PCO '58 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. ALBERT D'ALONZO, PCO '56 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. ARTHUR DEMARCO, PCO '57 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. PHILIP F. FLEISHER, PCO '50 .....	New York, N.Y.
DR. ROBINSON G. FRY, PCO '56 .....	Allentown, Penna. (Resident, Allentown Osteopathic Hospital)
DR. JOSEPH D. MC MENAMIN, PCO '52 .....	York, Penna.
DR. WILLIAM D. MILLER, PCO '45 .....	New York, N.Y.
DR. LOIS PULLUM, DMS '57 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. GEORGE B. ZINK, PCO '42 .....	Smethport, Penna.

**B18—Cardiopulmonary System....May 9, 1960 to May 13, 1960, inc.***Enrollment*

DR. MILLARD BASS, KCOS '57 .....	Philadelphia (Resident, Metropolitan Hospital)
DR. ROBERT BEAR, PCO '57 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. DANIEL H. BELSKY, PCO '57 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. VINCENT Q. FANTON, PCO '52 .....	Solon, Ohio
DR. DANIEL FORD, PCO '43 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. STUART B. HERRICK, JR., PCO '57 .....	Portland, Maine (Resident, Osteopathic Hospital of Maine)
DR. THOMAS E. KIRTON, PCO '51 .....	Lancaster, Penna. (Resident, Lancaster Osteopathic Hospital)
DR. LEONARD POPOWICH, PCO '58 .....	Philadelphia (Resident, Metropolitan Hospital)
DR. ELIZABETH M. STRATHIE, PCO '40 .....	Newtown, Penna.
DR. SARAH P. STRUSE, PCO '37 .....	Phoenixville, Penna.
DR. DAVID WILEY, PCO '58 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. GEORGE B. ZINK, PCO '42 .....	Smethport, Penna.
DR. J. GORDON ZINK, PCO '36 .....	Canton, Penna.

**B10—Cadaveric Anatomy (Proctology)**

Jan. 18, 1960 to Jan. 22, 1960, inc.

*Enrollment*

DR. GROVER F. ARTMAN, PCO '44 .....	Red Lion, Penna.
DR. ALFRED M. BARLOW, PCO '43 .....	York, Penna.
DR. BERNARR W. BLACKMAN, KCOS '40 .....	Wilmington, Del.
DR. JOHN J. FLEITZ, PCO '52 .....	Merchantville, N.J.
DR. JEROME A. GREENSPAN, PCO '54 .....	Philadelphia
DR. JUSTICE JAMES .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. JOSEPH F. RADER, DMS '26 .....	Massillon, Ohio
DR. NICHOLAS D. TRETTA, PCO '42 .....	Philadelphia
DR. J. EDWARD VENN, PCO '40 .....	Houston, Texas
DR. FRIEDMAN WEINBERG, KCOS '50 .....	Kansas City, Mo.

**B11—Cadaveric Anatomy of the Abdomen and its Viscera**

Dec. 7, 1959 to Dec. 11, 1959, inc.

*Enrollment*

DR. RICHARD J. CITTA, PCO '58 .....	Bristol, Penna. (Resident, Delaware Valley Hospital)
DR. PETER J. GIGLIO, KC '57 .....	Dayton, Ohio (Resident, Grandview Hospital)
DR. ELI KREMER, PCO '46 .....	Philadelphia
DR. HARVEY N. MOGUL, PCO '44 .....	Levittown, Penna.
DR. THOMAS F. A. POWELL, PCO '56 .....	Philadelphia (Resident, Metropolitan Hospital)
DR. RICHARD W. WHITAKER, PCO '57 .....	Grove City, Penna. (Resident, Bashline Hospital)
DR. CLAYTON R. YOUNG, KCOS '35 .....	Alva, Okla.
DR. J. GORDON ZINK, PCO '36 .....	Canton, Penna.

**B14—Cadaveric Anatomy of the Musculoskeletal System**

Feb. 8, 1960 to Feb. 12, 1960, inc.

*Enrollment*

DR. W. DUANE BURNARD, PCO '38 .....	Columbus, Ohio
DR. JOHN B. HERZOG, DMS '55 .....	Dayton, Ohio (Resident, Grandview Hospital)
DR. LAWRENCE E. MILLER, PCO '57 .....	Philadelphia (Resident, Metropolitan Hospital)
DR. RALPH SCHWARTZ, PCO '56 .....	York, Penna. (Resident, West Side Osteopathic Hospital)
DR. J. GORDON ZINK, PCO '36 .....	Canton, Penna.

**B17—Cadaveric Anatomy of the Thorax and its Viscera**

May 2, 1960 to May 6, 1960, inc.

*Enrollment*

DR. EDMUND T. CARROLL, PCO '58 .....	Bristol, Penna. (Resident, Delaware Valley Hospital)
DR. RICHARD J. CITTA, PCO '58 .....	Bristol, Penna. (Resident, Delaware Valley Hospital)
DR. NICHOLAS CUNICELLA, KC '57 .....	York, Penna. (Resident, West Side Osteopathic Hospital)
DR. ROBERT W. ENGLAND, PCO '56 .....	Oaklyn, N.J. (P.C.O. Faculty Scholarship)
DR. JOHN J. HEISER, PCO '57 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. HIRSCHEL A. MARTIN, DMS '52 .....	Cuyahoga Falls, Ohio (Resident, Green Cross General Hospital)
DR. THOMAS F. A. POWELL, PCO '56 .....	Philadelphia (Resident, Metropolitan Hospital)
DR. JOSEPH H. SAGE, DMS '52 .....	N. Madison, Ohio
DR. HOWARD C. SCHULTZ, PCO '41 .....	Sharon Hill, Penna.

**B19—Cadaveric Anatomy of the Head and Neck**

Oct. 12, 1959 to Oct. 16, 1959, inc.

*Enrollment*

DR. RUTH A. ANDERSON, CCO '23 .....	Boston, Mass.
DR. EDITH E. DOVESMITH, ASO '18; CCO '21 ....	Niagara Falls, N.Y.
DR. ALVIN D. DUBIN, PCO '56 .....	Philadelphia (Resident, Metropolitan Hospital)
DR. HOWARD A. LIPPINCOTT, ASO '16 .....	Moorestown, N.J.
DR. GUS J. MAZZOLA, KCOS '56 .....	Dayton, Ohio (Resident, Grandview Hospital)
DR. FAITH SWEET, ATS '25 .....	Providence, R.I.
DR. A. P. WARTHMAN, DMS '27 .....	Detroit, Mich.
DR. HELEN SPENCE WATTS, PCO '32 .....	W. Hartford, Conn.
DR. WILLIAM C. WRIGHT, PCO '28 .....	Lancaster, Penna.

**CLINICAL COURSES****C30—Ophthalmology (Basic Refraction)**

Oct. 19, 1959 to Oct. 23, 1959, inc.

*Enrollment*

DR. LAWRENCE M. BELL, KCOS '24 .....	Marietta, Ohio
DR. LOUIS GARFIELD, PCO '35 .....	Linden, N.J.
DR. JOSEPH F. KOFFMAN, KCOS '46 .....	Flint, Mich.
DR. LEONARD LEWIS, KCOS '52 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. GUS J. MAZZOLA, KCOS '56 .....	Dayton, Ohio (Resident, Grandview Hospital)

**C44—Anesthesiology—Spinal, Caudal and Regional**

Feb. 22, 1960 to Feb. 26, 1960, inc.

*Enrollment*

DR. SAMUEL J. AMBLER, PCO '37 .....	Delaware, Ohio
DR. PATRICK J. ANGULO, CCO '51 .....	Tucson, Ariz.
DR. VINCENT F. D'ANGELO, KC '57 .....	Grove City, Penna.
DR. KURT H. GREBE, DMS '55 .....	Bay City, Mich.
DR. LAWRENCE K. JOHNSON, KC '45 .....	Afton, Okla.
DR. L. R. LIND, KCOS '42 .....	Dallas, Texas

**C47—Modern Therapeutics .....Mar. 7, 1960 to Mar. 10, 1960, inc.***Enrollment*

DR. MORRIS J. CHERREY, PCO '44 .....	Clifton Heights, Penna.
DR. ALBERT D'ALONZO, PCO '56 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. L. S. JABLONSKI, KCOS '42 .....	Walbridge, Ohio
DR. T. LOUISE RIDDELL, PCO '39 .....	Philadelphia
DR. HENRY SALKIND, PCO '57 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. GEORGE B. ZINK, PCO '42 .....	Smethport, Penna.

C12—Clinical Proctology ..... Apr. 4, 1960 to Apr. 8, 1960, inc.

*Enrollment*

DR. A. MICHAEL ARMALY, CCO '55 .....	Bay City, Mich.
DR. JACK B. COMSTOCK, CCO '49 .....	Detroit, Mich.
DR. CHESTER KUZON, KC '56 .....	Pleasure Ridge Park, Ky.
DR. JEROME A. GREENSPAN, PCO '54 .....	Philadelphia
DR. CHARLES J. HAYNOSCH, PCO '58 .....	Cleveland, Ohio
DR. JOHN P. SEVASTOS, CCO '56 .....	Cleveland, Ohio
DR. RAYMOND G. TAYLOR, DMS '53 .....	Cleveland, Ohio
DR. NICHOLAS D. TRETNA, PCO '42 .....	Philadelphia
DR. FRIEDMAN WEINBERG, KCOS '50 .....	Kansas City, Mo.
DR. GEORGE B. ZINK, PCO '42 .....	Smethport, Penna.

C50—Obstetrics and Gynecology

Apr. 6, 1960 to Apr. 8, 1960, inc.

*Enrollment*

DR. DONALD A. BAXTER, PCO '56 .....	Warren, R.I.
DR. RICHARD B. CARNICKY, PCO '57 .....	Grove City, Penna.
DR. MARTIN C. CASSETT, PCO '43 .....	Gloucester City, N.J.
DR. KENNETH L. FOWLER, DMS '41 .....	Linden, Mich.
DR. DONALD R. HARPER, PCO '44 .....	Harrisburg, Penna.
DR. LAZARUS M. KIRIFEDES, PCO '57 .....	Wilmington, Del.
DR. SIMON LUBIN, PCO '38 .....	Philadelphia
DR. R. DALE MCCORMICK, PCO '58 .....	York, Penna.
DR. THEODORE SCHWARTZ, PCO '53 .....	Philadelphia
DR. LEWIS A. SELISKER, PCO '34 .....	Philadelphia
DR. SARAH P. STRUSE, PCO '37 .....	Phoenixville, Penna.
DR. WILLIAM K. TRACY, PCO '45 .....	York, Penna.

C48—Clinical Electrocardiography

May 16, 1960 to May 20, 1960, inc.

*Enrollment*

DR. WILLIAM H. BALL, KCOS '46 .....	Harlan, Ky.
DR. G. GEORGE BAUMGAERTEL, JR., PCO '54 .....	Philadelphia (P.C.O. Faculty Scholarship)
DR. FLOYD C. BOSHART, PCO '34 .....	Utica, N.Y.
DR. DAVID BRONSTEIN, PCO '56 .....	Harrisburg, Penna. (Resident, Harrisburg Osteopathic Hospital)
DR. EDMUND T. CARROLL, PCO '58 .....	Bristol, Penna. (Resident, Delaware Valley Hospital)
DR. JAMES E. COAN, CCO '50 .....	Cleveland, Ohio
DR. STEPHEN E. CRONEN, KC '48 .....	Erie, Penna.
DR. PHILIP A. GREENE, PCO '37 .....	Schenectady, N.Y.
DR. MEYER KIRSCHBAUM, PCO '50 .....	Philadelphia (P.C.O. Faculty Scholarship)
DR. MARSHALL E. LOWRY, DMS '53 .....	Dimondale, Mich.
DR. WILLIAM LOWRY, KCOS '31 .....	Ft. Lauderdale, Fla.
DR. PETER A. MARTIN, CCO '39 .....	Norwood, Ohio

DR. JOSEPH A. McMENAMIN, PCO '52 .....	York, Penna.
(P.C.O. Faculty Scholarship)	
DR. JOHN C. PELLOSIE, PCO '53 .....	Paterson, N.J.
DR. EDWARD M. PHILLIPS, PCO '54 .....	Claymont, Del.
DR. CHARLES I. POSTER, PCO '41 .....	Elizabeth, N.J.
DR. LOIS PULLUM, DMS '57 .....	Philadelphia
(Resident, Hospital of Philadelphia College of Osteopathy)	
DR. MARVIN L. ROSNER, PCO '57 .....	Philadelphia
(Resident, Metropolitan Hospital)	
DR. ABRAHAM J. RUBIN, KCOS '48 .....	Decatur, Ga.
DR. EUGENE N. SANDS, CCO '50 .....	Detroit, Mich.
DR. SARAH P. STRUSE, PCO '37 .....	Phoenixville, Penna.
DR. CHARLES H. STULL, DMS '41 .....	Geneva, Ohio

**C45—Anesthesiology—Inhalation and Endotracheal**

May 23, 1960 to May 27, 1960, inc.

*Enrollment*

DR. AUGUSTINE R. NOVAK, PCO '47 .....	Muskegon, Mich.
DR. RUDOLPH F. RIGANO, PCO '43 .....	Lancaster, Penna.
DR. ERNEST T. ROSS, KCOS '39 .....	Oklmulgee, Okla.
DR. LESLIE V. SPRIGGS, KCOS '51 .....	Carson City, Mich.
DR. C. H. SUNDERWIRTH, KCOS '26 .....	El Dorado Springs, Mo.

**R5—Radiation Physics .....** May 30, 1960 to June 3, 1960, inc.*Enrollment*

DR. WILLIAM C. BRYERS, PCO '54 .....	Norristown, Penna.
(Resident, Riverview Hospital)	
DR. GEORGE DRAPER, JR., KC '45 .....	Philadelphia
(Resident, Hospital of Philadelphia College of Osteopathy)	
DR. WESLEY HEINS, JR., PCO '58 .....	Philadelphia
(Resident, Hospital of Philadelphia College of Osteopathy)	
DR. MELVIN J. JASPMAN, PCO '57 .....	Philadelphia
(Resident, Metropolitan Hospital)	
DR. RICHARD A. KISZONAS, PCO '58 .....	Philadelphia
(Resident, Hospital of Philadelphia College of Osteopathy)	
DR. JOSEPH F. KOFFMAN, KC '46 .....	Flint, Mich.
DR. JAMES J. MALLON, JR., PCO '57 .....	York, Penna.
(Resident, West Side Osteopathic Hospital)	
DR. CARL L. NEUFELD, KCOS '55 .....	Merchantville, N.J.

## SYPOSIA

S2—Symposium on Heart Disease .....February 20, 1960

### *Enrollment*

DR. DAVID J. BACHRACH, PCO '27 .....	New York, N.Y.
DR. JOSHUA BIENSTOCK, PCO '46 .....	Bellerose, L.I., N.Y.
DR. RICHARD C. BOND, PCO '40 .....	Levittown, Penna.
DR. JOHN C. BRADFORD, JR., PCO '55 .....	Claymont, Del.
DR. C. F. BREUNINGER, PCO '50 .....	Lansdale, Penna.
DR. RICHARD D. BROSKEY, PCO '57 .....	Philadelphia
DR. S. G. BUDZYNSKI, PCO '53 .....	Clifton Heights, Penna.
DR. W. E. BULLER, PCO '25 .....	Allentown, Penna.
DR. LESTER K. BURGE, JR., PCO '57 .....	Claymont, Del.
DR. EDMUND T. CARROLL, PCO '58 .....	Bristol, Penna. (Resident, Delaware Valley Hospital)
DR. MORRIS J. CHERREY, PCO '44 .....	Clifton Heights, Penna.
DR. ALBERT D'ALONZO, PCO '56 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. WILLIAM S. DELP, PCO '24 .....	Lansdale, Penna.
DR. OBERT J. EMANUEL, PCO '29 .....	New York, N.Y.
DR. KATHERINE M. ENGLAND, PCO '54 .....	Oaklyn, N.J.
DR. H. WALTER EVANS, PCIO '17 .....	Philadelphia (P.C.O. Faculty Member)
DR. DANIEL FORD, PCO '43 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. DAVID FOX, PCO '52 .....	Haddonfield, N.J.
DR. MILDRED FOX, PCO '23 .....	Mt. Holly, N.J.
DR. DONALD GOODMAN, PCO '57 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. E. WILLARD HARTZELL, PCO '32 .....	Lansdale, Penna.
DR. EDITH M. INCABABIAN, PCO '35 .....	Wilmington, Del.
DR. JUSTICE JAMES, KCOS '56 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. CHARLES H. KERSHAW, JR., KCOS '29 .....	Providence, R.I.
DR. S. L. KOPLOVITZ, KCOS '41 .....	Harrisburg, Penna.
DR. CHESTER S. KWOKA, PCO '53 .....	Leacock, Penna.
DR. CHARLES LICHTENWALNER, PCO '39 .....	Pottstown, Penna.
DR. ARTHUR J. MCKELVIE, PCO '31 .....	Wilmington, Del.
DR. W. A. MARTIN, KCOS '33 .....	Milton, Penna.
DR. ELEANOR V. MASTERSON, PCO '57 .....	Philadelphia
DR. WILLIAM D. MITCHELL, PCO '55 .....	Allentown, Penna.
DR. W. T. NOYES, PCO '59 .....	Macungie, Penna.
DR. THOMAS H. OXLEY, PCO '26 .....	Philadelphia
DR. EDWARD M. PHILLIPS, PCO '54 .....	Claymont, Del.
DR. LOIS PULLUM, DMS '57 .....	Philadelphia (Resident, Hospital of Philadelphia College of Osteopathy)
DR. MORTON RUBIN, PCO '43 .....	Darby, Penna.
DR. MORTON L. RUBIN, DMS '56 .....	Philadelphia
DR. ERNEST F. RUZICKA, PCO '34 .....	Jenkintown, Penna.

DR. GERALD SCHARF, PCO '54 .....	Philadelphia
(P.C.O. Faculty Member)	
DR. MORTON SILVER, PCO '53 .....	Philadelphia
DR. JOSEPH C. SNYDER, PCO '36 .....	Philadelphia
DR. RICHARD K. SNYDER, PCO '56 .....	Allentown, Penna.
DR. HARRY I. STEIN, PCO '37 .....	Philadelphia
DR. HERBERT STEINBERG, PCO '41 .....	Philadelphia
DR. J. EDWIN THOMAS, JR., PCO '58 .....	Philadelphia
(Resident, Hospital of Philadelphia College of Osteopathy)	
DR. WILLIAM J. TRIDICO, PCO '53 .....	York, Penna.
DR. HUBERT A. WAGNER, PCO '41 .....	Philadelphia
DR. HAROLD C. WALMER, PCO '52 .....	Elizabethtown, Penna.
DR. HELEN S. WATTS, PCO '32 .....	W. Hartford, Conn.
DR. ALEXANDER XENAKIS, PCO '56 .....	Philadelphia
DR. LEWIS M. YUNGINGER, PCO '35 .....	Lancaster, Penna.
DR. GEORGE B. ZINK, PCO '42 .....	Smethport, Penna.

S3—Symposium on Cancer .....April 9, 1960

*Enrollment*

DR. ROBERT S. BEAR, PCO '57 .....	Philadelphia
(Resident, Hospital of Philadelphia College of Osteopathy)	
DR. HAROLD L. BESS, COPS '54 .....	Levittown, Penna.
DR. SAMUEL L. CARUSO, PCO '47 .....	Philadelphia
DR. GEORGE COLVIN, PCO '28 .....	East Orange, N.J.
DR. PATRICIA COTTRILLE, DMS '51 .....	Philadelphia
(Resident, Hospital of Philadelphia College of Osteopathy)	
DR. WILLIAM S. DELP, PCO '24 .....	Lansdale, Penna.
DR. H. WALTER EVANS, PCIO '17 .....	Philadelphia
(P.C.O. Faculty Member)	
DR. MILDRED FOX, PCO '23 .....	Mt. Holly, N.J.
DR. MARION E. FUTER, PCO '23 .....	Lansdowne, Penna.
DR. PHILIP GOLDING, KCOS '56 .....	Lancaster, Penna.
DR. E. WILLARD HARTZELL, PCO '32 .....	Lansdale, Penna.
DR. JUSTICE JAMES, KCOS '56 .....	Philadelphia
(Resident, Hospital of Philadelphia College of Osteopathy)	
DR. CHARLES H. KERSHAW, JR., KCOS '29 .....	Providence, R.I.
DR. LILLA LANCEY, PCO '24 .....	Philadelphia
DR. ALEX W. MAZERSKI, PCO '42 .....	Lancaster, Penna.
DR. O. EDWIN OWEN, DMS '37 .....	Philadelphia
(P.C.O. Faculty Member)	
DR. RANDAL R. RAEUCHLE, PCO '39 .....	Harrisburg, Penna.
DR. THOMAS C. SCOTT, PCO '54 .....	Delaware City, Del.
DR. WILLIAM SPAETH, PCO '25 .....	Drexel Hill, Penna.
(P.C.O. Faculty Member)	
DR. ELIZABETH M. STRATHIE, PCO '40 .....	Newtown, Penna.
DR. SARAH P. STRUSE, PCO '37 .....	Phoenixville, Penna.
DR. KENNETH L. WHEELER, PCO '34 .....	Philadelphia
DR. GEORGE B. ZINK, PCO '42 .....	Smethport, Penna.

## RESIDENTS

- ABAR, J. WESTON, B.S., D.O., Internal Medicine ..... Providence, R.I.  
Springfield College
- ATKINS, ANITA H., A.B., D.O., Surgery ..... Old Westbury, N.Y.  
Adelphi College
- BEAR, ROBERT S., B.S., M.S., D.O., Radiology ..... Lemoyne, Pa.  
Lebanon Valley College: University of Delaware
- BELSKY, DANIEL H., A.B., D.O., Surgery ..... Philadelphia  
Temple University
- BLITZ, PHILIP M., B.S., D.O., Internal Medicine ..... Havertown, Pa.  
Philadelphia College of Pharmacy and Science
- CROSS, CARL S., B.S., D.O., Anesthesiology ..... Drexel Hill, Pa.  
Pennsylvania State University
- DRAPER, GEORGE W., JR., D.O., Radiology ..... Dover, N.H.  
Northeastern University
- FRANCIOSI, RALPH V., B.S., D.O., Surgery ..... Montclair, N.J.  
Pennsylvania Military College
- GOODMAN, DONALD A., B.S., D.O., Pathology ..... Philadelphia  
Philadelphia College of Pharmacy and Science
- GREBER, ALVIN A., A.B., D.O., Internal Medicine ..... Philadelphia  
University of Pennsylvania
- HEINS, WESLEY, JR., D.O., Radiology ..... Laurel Springs, N.J.  
Adelphi College
- HO, ROBERT W. H., A.B., D.O., Orthopedic Surgery ..... Honolulu, Hawaii  
University of Hawaii, Hawaii
- KISZONAS, RICHARD A., B.S., D.O., Radiology ..... Lester, Pa.  
Ursinus College
- LESNIEWSKI, JOHN C., B.S., D.O., Pediatrics ..... Houston, Texas  
Alliance College
- MERCER, RICHARD H., B.S., D.O., Pediatrics ..... Akron, Ohio  
Denison University
- NEUN, CHARLES J., JR., B.S., D.O., Surgery ..... Johnstown, Pa.  
University of Pittsburgh
- PULLUM, LOIS C., A.A., D.O., Internal Medicine ..... New York, N.Y.  
Palm Beach College
- THOMAS, JAMES EDWIN, B.S., D.O., Anesthesiology ..... Philadelphia  
Philadelphia College of Pharmacy and Science
- WALSH, JOHN JAMES, B.S., D.O., Anesthesiology ..... Bear Creek, Pa.  
King's College
- WILEY, DAVID EDGEL, D.O., Surgery ..... Lancaster, Pa.  
University of North Carolina

**INTERNS**

GELZUNAS, RONALD J., A.B., D.O.	Philadelphia
Villanova University	
GOTTLIEB, SHELDON, A.B., D.O.	Philadelphia
Temple University	
JONES, WILLIAM W., III, A.B., D.O.	Merchantville, N.J.
Gettysburg College	
KESSLER, SEYMOUR, D.O.	Philadelphia
Temple University: Albright College	
MAURO, JESSIE C., B.S., M.S., D.O.	Philadelphia
St. John's University: College of St. Elizabeth	
MEROW, EDWIN L., B.S., D.O.	Philadelphia
Philadelphia College of Pharmacy and Science	
MYRIE, BURTON A., B.A., D.O.	Philadelphia
University of Pennsylvania	
RACCIATTI, THEODORE R., B.Sc., D.O.	Philadelphia
Philadelphia College of Pharmacy and Science	
ROTHCHILD, OSCAR F., B.A., D.O.	Camden, N.J.
Temple University	
SHUSTER, THEODORE J., B.S., D.O.	Beechhurst, N.Y.
St. John's University	

**Commencement — June 1960**

**List of Students**

**1960-1961**



## DEGREES

SIXTY-NINTH COMMENCEMENT — JUNE 12, 1960

### HONORARY DEGREE

DOCTOR OF LITERATURE  
THE HONORABLE HUGH SCOTT  
UNITED STATES SENATOR

### DEGREES IN COURSE

MASTER OF SCIENCE  
(OBSTETRICS AND GYNECOLOGICAL SURGERY)  
HERMAN KOHN, D.O., F.A.C.O.S.  
P.C.O. CLASS OF 1927

MASTER OF SCIENCE  
(OSTEOPATHIC PRINCIPLES AND PRACTICE)  
BARBARA REDDING, D.O.  
P.C.O. CLASS OF 1932

MASTER OF SCIENCE (ANATOMY)  
BLANCHE C. ALLEN, A.B., B.S. IN ED., D.O.  
P.C.O. CLASS OF 1935

MASTER OF SCIENCE (SURGERY)  
GALEN S. YOUNG, D.O., D.Sc.  
P.C.O. CLASS OF 1935

MASTER OF SCIENCE (PEDIATRICS)  
THOMAS FELIX SANTUCCI, D.O., F.A.C.O.P.  
P.C.O. CLASS OF 1937

MASTER OF SCIENCE (ANESTHESIOLOGY)  
J. CRAIG WALSH, D.O., F.A.C.O.A., F.A.C.O.S.  
P.C.O. CLASS OF 1937

## MASTER OF SCIENCE (UROLOGY)

ROBERT A. WHINNEY, D.O.  
P.C.O. CLASS OF 1937

## MASTER OF SCIENCE (OSTEOPATHIC MEDICINE)

HAROLD L. BRUNER, D.O., F.A.C.O.I.  
P.C.O. CLASS OF 1938

## MASTER OF SCIENCE (PATHOLOGY)

MORTON GREENWALD, A.B., D.O.  
P.C.O. CLASS OF 1941

## MASTER OF SCIENCE (PEDIATRICS)

PATRICIA A. COTTRILLE, D.O.  
C.O.M.S. CLASS OF 1951

## MASTER OF SCIENCE (ORTHOPEDIC SURGERY)

SIDNEY SANFORD RUNYON, B.S., D.O.  
C.C.O. CLASS OF 1953

## MASTER OF SCIENCE (RADIOLOGY)

WILLIAM E. BETTS, JR., B.A., D.O.  
P.C.O. CLASS OF 1956

## MASTER OF SCIENCE (OSTEOPATHIC MEDICINE)

ALBERT FLOYD D'ALONZO, A.B., D.O.  
P.C.O. CLASS OF 1956

## MASTER OF SCIENCE (PATHOLOGY)

JUSTICE HAROLD JAMES, B.S., D.O.  
K.C.O.S. CLASS OF 1956

## MASTER OF SCIENCE (SURGERY)

HENRY SALKIND, B.S., D.O.  
P.C.O. CLASS OF 1956

## MASTER OF SCIENCE (UROLOGIC SURGERY)

ROBERT J. SHERMAN, D.O.  
K.C. CLASS OF 1956

## DOCTOR OF OSTEOPATHY

## CLASS OF 1960

ALLENIUS, ARNOLD O.	Bronx, N.Y.
B.S., New York University	
BERNARDI, NAZZARENO S.	Camden, N.J.
B.S. in Phar., Philadelphia College of Pharmacy and Science	
BIRK, RICHARD	Freeport, N.Y.
City College of New York; Columbia University	
BOLLMAN, WILLIAM LORAH, III	Jenkintown, Pa.
B.S., Albright College	
BONIFACIO, FRANK ANTHONY EUGENE	Keyport, N.J.
B.S., Pennsylvania Military College	
BRASLOW, PHILIP	Philadelphia
B.S. in Phar., Philadelphia College of Pharmacy and Science	
BROGAN, DONALD M.	Pittsburgh, Pa.
B.S., Allegheny College	
BURGET, RICHARD EARL	Mount Holly, N.J.
A.B., Lafayette College	
BUZZELL, KEITH ALLAN	Dorchester, Mass.
A.B., Boston University	
CARR, CLAYTON FIELDER	Woodlynne, N.J.
A.B., Rutgers University	
CIPRIANO, PAUL CHARLES	Bridgeport, Pa.
B.S. in Phar., Philadelphia College of Pharmacy and Science	
COLLEY, RANDOLPH STUART	Broomall, Pa.
A.B., Princeton University	
COLLINS, FRANCIS CHARLES	Drexel Hill, Pa.
B.S., St. Joseph's College	
COLTON, SAMUEL JAY	Philadelphia
B.S. in Phar., Philadelphia College of Pharmacy and Science	
COLVIN, GEORGE LESLIE	East Orange, N.J.
B.S., Davis and Elkins College	
CORETTI, JAMES H.	Ambridge, Pa.
B.S., Duquesne University	
DABNEY, JAMES WILLIAM	Pittsburgh, Pa.
B.S., Central State College	
DEL MARCO, CHARLES JOHN	Philadelphia
A.B., La Salle College	
FRIEDRICH, CHARLES PHILIP	Camden, N.J.
A.B., Gettysburg College	
GELZUNAS, RONALD JOSEPH	Philadelphia
A.B., Villanova University	
GETZOFF, BARRY LIONEL	Philadelphia
A.B., Temple University	

GORDON, SANFORD ALBERT .....	Pittsburgh, Pa.
B.S. in Phar., University of Pittsburgh School of Pharmacy	
GOTTLIEB, SHELDON .....	Philadelphia
A.B., Temple University	
GRAFFMAN, MARTIN .....	Philadelphia
A.B., University of Pennsylvania	
GRATZ, LEON .....	Philadelphia
B.S. in Phar., Philadelphia College of Pharmacy and Science	
HALPIN, THOMAS H. ....	Rockville Centre, N.Y.
A.B., Hofstra College	
HAUPT, HARVEY RUSSELL, JR. ....	Reading, Pa.
Albright College	
HENRY, BOYD CAMPBELL, JR. ....	Kittanning, Pa.
A.B., Hiram College	
HEWLETT, ELMER CHESTER, III .....	Portsmouth, Va.
A.B., Catawba College	
JONES, WILLIAM W., III .....	Merchantville, N.J.
A.B., Gettysburg College	
KESSLER, SEYMOUR .....	Philadelphia
Temple University; Albright College	
KINGSLEY, ROSS WILLIAM .....	Erie, Pa.
A.B., Pennsylvania State University	
KOEHLER, JOSEPH VINCENT .....	Philadelphia
A.B., La Salle College	
KOGAN, MILTON LEWIS .....	Camden, N.J.
Cornell University	
KRENGEL, FLOYD .....	Philadelphia
A.B., Lehigh University	
KURK, MITCHELL .....	Jamaica, N.Y.
B.S., Columbia University; M.S., Columbia University; O.D.,	
Massachusetts College of Optometry	
KURTZE, ARTHUR GEORGE, JR. ....	West Haven, Conn.
A.B., Bowling Green State University	
LANGTON, JOHN ALVIN .....	Chester, Pa.
A.B., La Salle College	
LEVY, ALLAN WOLFE .....	Philadelphia
A.B., Temple University	
LoBIANCO, ANTHONY DOMENIC .....	Philadelphia
B.S., Villanova University	

LODER, DONALD IRVIN .....	Mohrsville, Pa.
B.S., Albright College	
LODER, EARL CLINTON .....	Mohrsville, Pa.
B.S., Ursinus College	
MARRUCHELLO, FRANK JOHN .....	Camden, N.J.
B.S. in Phar., Philadelphia College of Pharmacy and Science	
MAURO, JESSIE CATHERINE .....	Bronx, N.Y.
B.S., College of St. Elizabeth; M.S., St. John's University	
MENGEL, DONALD ROBERT .....	Allentown, Pa.
B.S., Muhlenberg College	
MERLO, SALVATORE JOSEPH .....	Phillipsburg, N.J.
B.S., Georgetown University	
MEROW, EDWIN LIONEL .....	Philadelphia
B.S. in Phar., Philadelphia College of Pharmacy and Science	
MILLER, DAVID .....	Philadelphia
B.S. in Phar., Philadelphia College of Pharmacy and Science	
MORTIMER, JAY C. .....	Philadelphia
A.B., Temple University	
MOSKOWITZ, HARRY LOUIS .....	Wilmington, Del.
A.B., University of Delaware	
MURRAY, EDWARD JOSEPH, JR. .....	East Greenwich, R.I.
B.S. in Phar., Rhode Island College of Pharmacy	
MYERS, DONALD EUGENE .....	York, Pa.
B.S., Franklin and Marshall College	
MYRIE, BURTON ANTHONY .....	Philadelphia
A.B., University of Pennsylvania	
NAUGHTON, JOHN JOSEPH, JR. .....	Philadelphia
B.S., St. Joseph's College	
PANCELLI, JOHN JOSEPH .....	Camden, N.J.
B.S., West Chester State Teachers College	
PAPPAS, GEORGE JOHN .....	Philadelphia
B.S. in Phar., Long Island University (Brooklyn College of Pharmacy)	
PAVORSKY, IRWIN .....	Philadelphia
A.B., University of Pennsylvania	
PIWOZ, NORMAN MARTIN .....	Philadelphia
Pennsylvania State University	
PRUE, EDMUND BENJAMIN .....	Dunedin, Fla.
A.B., Boston University	
RACCIATTI, THEODORE ROCCO .....	Philadelphia
B.S. in Phar., Philadelphia College of Pharmacy and Science	
RIDGIK, JOSEPH HARRY .....	Green Ridge, Pa.
A.B., La Salle College	
RODGERS, JOHN ANDREW .....	Fair Lawn, N.J.
A.B., Lafayette College	

ROSENFELD, LEONARD EDWARD .....	Philadelphia
B.S. in Phar., Temple University School of Pharmacy	
ROSENTHAL, DAVID .....	Philadelphia
George Washington University; Temple University	
ROSMAN, MAURICE .....	Philadelphia
A.B., University of Pennsylvania	
ROTHCHILD, OSCAR FRED .....	Camden, N.J.
A.B., Temple University	
SALOOM, RAYMOND JACOB .....	Conemaugh, Pa.
B.S., University of Pittsburgh	
SAVAR, LEWIS .....	Philadelphia
A.B., Temple University	
SCHAFFER, LEONARD .....	Philadelphia
B.S. in Phar., Temple University School of Pharmacy	
SCHUSTER, THEODORE JOSEPH .....	Beechhurst, N.Y.
B.S., St. John's University	
SCOLNICK, HERBERT ALLEN .....	Fair Lawn, N.J.
B.S., Tufts University	
SKLOFF, JACK M. .....	Atlantic City, N.J.
B.S., Temple University	
SMITH, KENNETH L. .....	Coventry, Conn.
University of Connecticut	
SMITH, MORTON THEODORE .....	Philadelphia
B.S., Franklin and Marshall College	
SOECHTING, CARL EUGENE .....	East Williston, L.I., N.Y.
A.B., Colgate University	
SULTZ, MARVIN EUGENE .....	Philadelphia
A.B., Temple University	
TEPLITZ, GERALD .....	Brooklyn, N.Y.
B.S. in Phar., Long Island University (Brooklyn College of Pharmacy)	
TROILO, FRANCIS XAVIER .....	Philadelphia
A.B., La Salle College	
VALKO, ALBERT RICHARD .....	South Fork, Pa.
A.B., University of Pennsylvania	
VERIN, DONALD WILLIAM .....	Philadelphia
B.S. in Phar., Temple University School of Pharmacy	
WEAVER, ROBERT THOMAS .....	Philadelphia
A.B., University of Pennsylvania; O.D., Pennsylvania State College of Optometry	
WILSON, JAMES ANTHONY .....	Philadelphia
A.B., La Salle College	
WOZNIAK, EDWARD GUSTAVE .....	Camden, N.J.
A.B., La Salle College	

## INTERNSHIP APPOINTMENTS — 1960-1961

## HOSPITALS OF PHILADELPHIA COLLEGE OF OSTEOPATHY

Gelzunas	Jones	Mauro	Myrie	Rothchild
Gottlieb	Kessler	Merow	Raciatti	Schuster

## METROPOLITAN HOSPITAL, PHILADELPHIA, PA.

Colton	Gratz	Levy	Rosenfeld	Schaffer
Getzoff	Krengel	LoBianco	Rosman	Sultz

## BASHLINE OSTEOPATHIC HOSPITAL &amp; CLINIC, GROVE CITY, PA.

Colvin	Prue	Saloom
Henry		Wozniak

## DOCTORS HOSPITAL, COLUMBUS, OHIO

Allenius	Rodgers	Valko
Ridgik		Verin

GRAND RAPIDS OSTEOPATHIC HOSPITAL,  
GRAND RAPIDS, MICH.

Bernardi	Coretti	Naughton
Birk		Pancelli

## CAFARO MEMORIAL HOSPITAL, YOUNGSTOWN, OHIO

Dabney		Rosenthal
Gordon		Savar

## DETROIT OSTEOPATHIC HOSPITAL, DETROIT, MICH.

Mortimer		Scolnick
Pavorsky		Teplitz

## SOUTH BEND OSTEOPATHIC HOSPITAL, SOUTH BEND, IND.

Bonifacio		Mengel
Brogan		Wilson

## ALLENTOWN OSTEOPATHIC HOSPITAL, ALLENSTOWN, PA.

Bollman	Kurk	Merlo
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## DELAWARE VALLEY HOSPITAL, BRISTOL, PA.

Del Marco	Halpin	Miller
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## GRANDVIEW HOSPITAL, DAYTON, OHIO

Graffman Marruchello Troilo

RIVERSIDE HOSPITAL, WILMINGTON, DELAWARE

Hewlett Loder, D. Weaver

RIVERVIEW OSTEOPATHIC HOSPITAL, NORRISTOWN, PA.

Cipriano Collins Koehler

BISCAYNE OSTEOPATHIC HOSPITAL, MIAMI, FLORIDA

Piwoz Smith, M.

**OSTEOPATHIC GENERAL HOSPITAL OF RHODE ISLAND,  
EDGEWOOD, CRANSTON, R.I.**

Murray Smith, K.

PONTIAC OSTEOPATHIC HOSPITAL, PONTIAC, MICH.

Burget Langton

RIVERSIDE OSTEOPATHIC HOSPITAL TRENTON MICH

### Kurze Soehtig

SAGINAW OSTEOPATHIC HOSPITAL SAGINAW MICH

Carr Haupt

Civic Center Hospital, Oakland, Calif.	Loder, E.
Fort Worth Osteopathic Hospital, Fort Worth, Texas	Moskowitz
Garden City-Ridgewood Hospitals, Ypsilanti, Mich.	Pappas
Glendale Community Hospital, Glendale, Calif.	Colley
Green Cross General Hospital, Cuyahoga Falls, Ohio	Friedrich
Los Angeles County Osteopathic Hospital, Los Angeles, Calif.	Skloff
Osteopathic Hospital of Harrisburg, Harrisburg, Penna.	Braslow
Osteopathic Hospital of Maine, Portland, Maine	Buzzell
Rio Hondo Memorial Hospital, Rivera, Calif.	Kogan
Sandusky Memorial Hospital, Sandusky, Ohio	Kingsley
West Side Osteopathic Hospital of York, York, Pa.	Myers

## CLASS OF 1961

ALDRICH, HARRISON FITCH .....	Sterling, Mass.
B.S., University of Massachusetts	
ALSTON, ORA BEE .....	Philadelphia
A.B., Lincoln University	
ASADOORIAN, PETER DANIEL .....	Cranston, R.I.
B.S., Rhode Island University	
ASMAN, JOHN BERNARD, JR. .....	Philadelphia
B.S., Villanova University	
BABA, JOHN, JR. .....	W. Patterson, N.J.
Drew University; University of Miami	
BARSH, HORACE .....	Wyncote, Pa.
B.S., Temple University	
BERGER, STANLEY Z. .....	Philadelphia
B.S. in Phar., Philadelphia College of Pharmacy and Science	
BOBRIN, YALE ROBERT .....	Philadelphia
A.B., Temple University	
BOWMAN, ROBERT GEORGE .....	Livingston, N.J.
B.S., Springfield College	
BRASLOW, DANIEL .....	Philadelphia
Pennsylvania State University; Temple University	
BRAUNWELL, ARTHUR HENRY, JR. .....	Weehawken, N.J.
A.B., Lycoming College	
BROWN, WILLARD MARTIN, JR. .....	Providence, R.I.
A.B., Providence College	
BRUAW, DONALD ALBERT .....	Harrisburg, Pa.
B.S., Franklin and Marshall College	
BUCHALTER, HERBERT JAY .....	Philadelphia
B.S. in Phar., Philadelphia College of Pharmacy and Science	
BUGGELN, JOHN HENRY .....	Long Island City, N.Y.
A.B., Gettysburg College	
CAREY, ALBERT BURNSIDE, JR. .....	Audubon, N.J.
Franklin and Marshall College	
CAVAGNARO, WALTER RICHARD .....	Vineland, N.J.
B.S., Villanova University	
CENTAFONT, NICHOLAS FRANK .....	Bristol, Pa.
B.S. in Phar., Temple University	
CILIBERTI, ANTHONY FRANK .....	Philadelphia
B.S. in Phar., Temple University	
CIMMINO, PETER RAFAEL .....	Paterson, N.J.
A.B., Columbia College	

COHEN, ROBERT B.	Philadelphia
B.S. in Phar., Philadelphia College of Pharmacy and Science	
CORSEY, MILTON EUGENE	Westville, N.J.
A.B., Lincoln University	
DEAN, HOWARD ARNOLD, JR.	Atlantic City, N.J.
B.S., Wake Forest College	
DONAHUE, WILLIAM HAYES	Philadelphia
A.B., St. Vincent College	
DUDNICK, RICHARD SCOTT	Norristown, Pa.
A.B., University of Pittsburgh	
ERICKSON, DONALD GENE	Worcester, Mass.
A.B., Harvard University	
FAERBER, GEORGE OSWALD	Lafayette Hill, Pa.
A.B., University of Pennsylvania	
FARRI, ELIAS PETER	Camden, N.J.
B.S. in Phar., Temple University	
GOLDSTEIN, BARRY	Philadelphia
A.B., Temple University	
GOODMAN, KENNETH VERYL, JR.	Orono, Maine
A.B., Pennsylvania State University	
GOTTLIEB, HERMAN	Philadelphia
A.B., Temple University	
GRIMAUD, JAMES FRANCIS	Clark Summit, Pa.
Atlantic Union College; University of Scranton	
HAYES, JOSEPH LINUS	Havertown, Pa.
B.S., St. Joseph's College; M.S., University of Pennsylvania	
HORENSTEIN, MITCHELL	Philadelphia
B.S. in Phar., Philadelphia College of Pharmacy and Science	
HUGHES, ELIZABETH BARENTIN	Philadelphia
A.B., Temple University	
HUNTER, DONALD GORDON	Erie, Pa.
Gannon College	
JOHNSON, CHARLES ROBERT	Raritan, N.J.
A.B., Gettysburg College	
KANEFIELD, MARVIN	Philadelphia
B.S., Villanova University	
KARLIN, JACK BENJAMIN	Philadelphia
Temple University	
KETNER, GERALD MAX	Upper Darby, Pa.
Thiel College	
KNAB, HAROLD WILLIAM	Philadelphia
B.S., Westminster College	

KORO, PAUL PETER, JR.	Jamestown, N.Y.
A.B., Mercer University	
LEFCOURT, MARTIN RICHARD	Staten Island, N.Y.
A.B., Cornell University	
LEOPOLD, ROBERT AVROM	Moorestown, N.J.
B.S. in Phar., Temple University	
LIEBERMAN, MORRIS EDWARD	Philadelphia
A.B., Temple University	
LOVICH, GERALD	Brooklyn, N.Y.
B.S. in Phar., Long Island University (Brooklyn College of Pharmacy)	
MANLIO, FERDINAND LOUIS	Philadelphia
B.S., St. Joseph's College	
MARTIN, FRANK JOHN	Jermyn, Pa.
B.S., Temple University	
MARTURANO, RICHARD JOSEPH	Philadelphia
Temple University	
MINISSALE, ANTHONY ALBERT	Philadelphia
B.S., Villanova University	
MOWERY, SAMUEL ROBERT	New Cumberland, Pa.
A.B., Gettysburg College	
MURRAY, THOMAS EDWARD	Gloucester, N.J.
A.B., La Salle College	
NORRIS, STANLEY BRUER	Primos, Pa.
B.S. in Phar., Philadelphia College of Pharmacy and Science	
ORLEANSKI, EDMUND BOLESLAUS	Bayonne, N.J.
B.S. in Phar., Rutgers University	
ORLOW, MARK RICHARD	Philadelphia
A.B., University of Pennsylvania	
PEARLSTEIN, PHILIP	Philadelphia
B.S. in Phar., Philadelphia College of Pharmacy and Science	
PEARLMAN, FLOYD JOSEPH	Trenton, N.J.
B.S., St. Joseph's College	
PECORA, ANDREW ARTHUR	Philadelphia
B.S., St. Joseph's College	
PEDANO, NICHOLAS CHRISTOPHER	Philadelphia
B.S., Villanova University	
PICCOLO, ALFONSE JOSEPH	Philadelphia
B.S., St. Joseph's College	
PINE, MURRAY	Philadelphia
B.S., Columbia University	
POTOK, JULIAN WALTER	Philadelphia
B.S., St. Joseph's College	

POULSHOCK, MILTON JAMES .....	Philadelphia
A.B., Pennsylvania State University	
QUALTER, JOHN JOSEPH, JR. ....	Monroe, N.Y.
B.S. in Phar., Fordham University School of Pharmacy	
REISS, MARTIN BERNARD .....	New York, N.Y.
A.B., New York University	
RENZI, NICHOLAS MICHAEL .....	Philadelphia
La Salle College	
ROMISHER, LEO .....	Philadelphia
University of Pennsylvania	
ROWE, DAVID EUGENE .....	Upper Darby, Pa.
B.S. in Phar., Philadelphia College of Pharmacy and Science	
RUTH, RICHARD ROSENBERGER .....	Sellersville, Pa.
B.S., Greenville College	
SALIS, DONALD .....	Philadelphia
A.B., Temple University	
SALLY, JON HEYWARD .....	Kent, Ohio
A.B., Kent State University	
SFERRAZZA, RIO .....	Brooklyn, N.Y.
B.S., Wagner College	
SMITH, ROBERT MAXWELL .....	Bronx, N.Y.
A.B., University of Maine	
SPEASE, CARL RICHARD .....	Harrisburg, Pa.
B.S., Elizabethtown College	
STOLTZ, DONALD ROBERT .....	Philadelphia
A.B., Temple University	
UHRMAN, RICHARD ANDREW .....	West Chester, Pa.
A.B., Temple University	
WATTS, LORRAINE CAROL .....	West Hartford, Conn.
St. Lawrence University	
WHITE, HAROLD FREDERICK .....	Philadelphia
A.B., Lincoln University	
WHITMAN, BRIAN BERNARD .....	Philadelphia
A.B., University of Pennsylvania	

## CLASS OF 1962

ALLEN, STUART NEIL .....	Philadelphia
A.B., Pennsylvania State University	
AMIDON, ROBERT LIVINGSTON .....	Rome, N.Y.
B.S., LeMoyne College	
ASBEL, DAVID SOLON .....	Passaic, N.J.
B.S. in Phar., Rutgers University College of Pharmacy	
BARBOUR, LAWRENCE JOSEPH .....	Roswell, N.Mex.
Baylor University, New Mexico Military Institute	
BARKOW, JULIUS .....	Philadelphia
A.B., Temple University	
BASSO, SAM LAWRENCE .....	Brooklyn, N.Y.
B.S. in Phar., St. John's University College of Pharmacy	
BERNARD, WILLIAM MELVIN .....	Flint, Mich.
A.B., Michigan State University	
BLACK, JAMES HOWARD .....	New Cumberland, Pa.
A.B., Gettysburg College	
BLENDER, BURTON .....	Philadelphia
A.B., Temple University	
BRODY, FRANKLIN L. .....	Philadelphia
A.B., University of Pennsylvania	
CARP, LEWIS JOSEPH .....	Camden, N.J.
A.B., Rutgers University	
CHARNEY, GEORGE .....	Brooklyn, N.Y.
Brooklyn College	
COCCO, PETER .....	Philadelphia
B.S., Temple University	
COZZA, EUGENE ANGELO .....	Brooklyn, N.Y.
B.S. in Phar., St. John's University College of Pharmacy	
DARBY, RICHARD .....	Laurelton, N.Y.
B.S. in Phar., Long Island University (Brooklyn College of Pharmacy)	
DAVIS, HARRY BARNARD .....	Boothwyn, Pa.
A.B., La Salle College	
DAVIS, MERRITT GAMBRILL, JR. .....	Wilmington, Del.
B.S., Springfield College	
DAYIAN, EDWARD AVEDIS .....	Providence, R.I.
B.S. in Phar., Rhode Island College of Pharmacy	
DEL BORRELLO, ANTHONY PETER .....	Philadelphia
A.B., La Salle College	
DI PIETRO, RICHARD RALPH .....	Hagerstown, Md.
B.S., Franklin and Marshall College	
D'ORAZIO, RONALD JOHN .....	Philadelphia
B.S. in Phar., Philadelphia College of Pharmacy and Science	
DUNFEE, DAVID M., III .....	Zieglerville, Pa.
B.S., Ursinus College	

ECK, DONALD RICHARD .....	Williamsport, Pa.
D.S.C., Temple University School of Chiropody; St. Vincent College	
ELBER, DANIEL A. ....	Lansdowne, Pa.
B.S. in Phar., Columbia University College of Pharmacy	
FELICE, FRANCIS MICHAEL .....	Philadelphia
B.S. in Phar., Philadelphia College of Pharmacy and Science	
FELLOWS, ALLEN MACDONOUGH .....	Merchantville, N.J.
A.B., Western Maryland College	
GOLDSTEIN, BERNARD .....	Philadelphia
A.B., University of Pennsylvania; M.S., Ph.D., Rutgers University	
GRUMAN, ROBERT T. ....	Brooklyn, N.Y.
University of Cincinnati	
JUDGE, JAMES MICHAEL .....	Garden City, N.Y.
St. John's University	
KERSHAW, CHARLES HENRY .....	Providence, R.I.
A.B., Brown University	
KESSLER, ALBERT S. ....	Philadelphia
B.S., University of Miami	
KING, WILLIAM M. ....	Philadelphia
B.S., University of Michigan	
LEVY, MARVIN .....	Philadelphia
B.S. in Phar., Philadelphia College of Pharmacy and Science	
LEWIS, ROBERT JOHN .....	Glastonbury, Conn.
A.B., University of Connecticut	
LIEBMAN, ROBERT S. ....	Philadelphia
B.S. in Phar., Temple University School of Pharmacy	
LOVIN, JOSEPH MATTHEW .....	Philadelphia
B.S. in Phar., Duquesne University School of Pharmacy	
MADONNA, ROBERT CARL .....	Philadelphia
B.S. in Phar., Philadelphia College of Pharmacy and Science	
MARINO, JOSEPH MICHAEL .....	Philadelphia
B.S., Pennsylvania State University	
MARKS, BURTON .....	Philadelphia
B.S., Pennsylvania State University	
MATKIWSKY, ZENON .....	Chester, Pa.
B.S., Pennsylvania Military College	
MAUER, THEODORE PAUL .....	Glenside, Pa.
A.B., La Salle College	
MAURER, ROBERT STANLEY .....	Brooklyn, N.Y.
A.B., University of Pennsylvania	
MCKENNA, WILLIAM THOMAS .....	Philadelphia
B.S. in Phar., Temple University School of Pharmacy	
MILLER, ALAN JAY .....	Elkins Park, Pa.
B.S. in Phar., Philadelphia College of Pharmacy and Science	
NESSMAN, LAWRENCE .....	Brooklyn, N.Y.
B.S. in Phar., Long Island University (Brooklyn College of Pharmacy)	

NIXON, GEORGE EDWARD .....	Blairsville, Pa.
B.S., University of Pittsburgh	
OMEL, RICHARD BERNARD .....	Kenmore, N.Y.
University of Vermont; University of Buffalo	
PETETTI, DONALD ANTHONY .....	Philadelphia
A.B., La Salle College	
QUIGLEY, JOHN FRANCIS .....	Philadelphia
B.S., Villanova University	
RAND, JOHN CHASE .....	Portland, Maine
B.S., Tufts University	
RENZA, ROBERT ANTHONY .....	Collingswood, N.J.
B.S., Franklin and Marshall College	
RILEY, JOSEPH JOHN .....	Philadelphia
A.B., La Salle College	
ROTHMAN, EDWIN .....	Philadelphia
A.B., Temple University	
SALAMONE, MARIO LOUIS .....	Philadelphia
B.S. in Phar., Philadelphia College of Pharmacy and Science	
SANTANGELO, VINCENT JOSEPH .....	Norristown, Pa.
A.B., Johns Hopkins University	
SARKESSIAN, ALBERT MANOOG .....	Philadelphia
St. Joseph's College; University of Pennsylvania	
SCHLOSSBERG, SEYMOUR .....	Brooklyn, N.Y.
Brooklyn College	
SCHOOLEY, DAVID EUGENE .....	Laurelton, Pa.
B.S., Pennsylvania State University	
SEHER, GEORGE HENRY .....	Elkins Park, Pa.
B.S., Houghton College	
SHATZ, JOSEPH .....	Philadelphia
A.B., Temple University	
SOALT, MARVIN HAROLD .....	Brooklyn, N.Y.
B.S., The City College of New York	
SOKOL, ARNOLD .....	Wyncote, Pa.
A.B., University of Pennsylvania	
STEVENTON, DALE MARSHALL .....	Nesquehoning, Pa.
B.S., Franklin and Marshall College	
TATOM, ANDREW JACKSON .....	Malverne, N.Y.
B.S., Adelphi College	
TURNER, MELVIN LEE .....	Huntingdon Valley, Pa.
B.S. in Phar., Philadelphia College of Pharmacy and Science	
VANHOUTEN, PAUL ADRIAN .....	Berwick, Pa.
A.B., Gettysburg College	
ZEDECK, MURRAY .....	Brooklyn, N.Y.
B.S. in Phar., Long Island University (Brooklyn College of Pharmacy)	

**CLASS OF 1963**

ABAR, JOAN LIBUTTI .....	Providence, R.I.
B.S. in Phar., Rhode Island College of Pharmacy	
ALLEN, ETHEL DOLORES .....	Philadelphia
B.S., West Virginia State College	
AMIDON, JOEL PETER .....	Rome, N.Y.
LeMoyne College, Utica College of Syracuse University	
BAER, STUART COBERT .....	Philadelphia
B.S., University of Pennsylvania	
BAINHAUER, FREDERICK JOSEPH .....	Washington, D.C.
B.S., Mt. St. Mary's College	
BAKER, NORMAN FREDERICK CLAYTON .....	Port Allegany, Pa.
B.S., Houghton College	
BINDER, ROBERT GERALD .....	Camden, N.J.
B.S. in Phar., Philadelphia College of Pharmacy and Science	
BOYLE, MICHAEL FRANCIS, III .....	Camp Hill, Pa.
B.S., St. Joseph's College	
BRICKER, JAMES CUNNINGHAM .....	Brackenridge, Pa.
B.S., University of Pittsburgh	
BRODSKY, STUART ALLEN .....	Philadelphia
B.S. in Phar., Philadelphia College of Pharmacy and Science	
BROWN, SETH WILLIAM .....	Manasquan, N.J.
B.S., Muhlenberg College	
CANNON, CHARLES JOSEPH .....	Newark, Del.
B.S., University of Delaware	
CASCHETTE, JAMES HENRY .....	Rochester, N.Y.
A.B., University of Buffalo	
CINCOTTA, ANTHONY JOSEPH, JR. .....	Brunswick, Md.
B.S., Mt. St. Mary's College	
CLARK, ROBERT RONALD .....	Philadelphia
A.B., Temple University	
CONNELLY, NEIL O'BOYLE .....	Monroe, N.Y.
B.S. in Phar., Fordham University College of Pharmacy	
D'AMORE, JAMES, JR. .....	Philadelphia
A.B., Temple University	
DEMUTO, VINCENT ANTHONY .....	Lodi, N.J.
B.S., Georgetown University	

FEECK, RICHARD HENRY .....	Collingdale, Pa.
A.B., Houghton College	
FELDHAUS, JOSEPH LAWRENCE, JR. ....	Erlton, N.J.
Franklin and Marshall College, O.D., Pennsylvania State College of Optometry	
FISCHER, WILLIAM PEARSON .....	Haverford, Pa.
A.B., Gettysburg College	
GOLDBERG, ALLAN .....	Philadelphia
B.S. in Phar., Philadelphia College of Pharmacy and Science	
GOTFRIED, EDWARD ALLEN .....	Philadelphia
A.B., Tulane University	
HAGELMANN, RONALD .....	Astoria, N.Y.
B.S., Houghton College	
HATMAKER, WILLIAM FRANKLIN .....	Haddonfield, N.J.
Youngstown University	
HAYES, ROBERT DICKSON .....	New Bethlehem, Pa.
B.S., Bucknell University	
HOWELL, MYRON .....	Philadelphia
B.S. in Phar., Philadelphia College of Pharmacy and Science	
JOHNSTONE, JOHN JEFFRY .....	East Williston, N.Y.
B.S., West Virginia Wesleyan College	
KILMER, TOM HENRY .....	Oak Harbor, Ohio
B.S., Bowling Green State University	
KING, WILLIAM JOSEPH .....	Philadelphia
B.S., Virginia Union University	
KOHL, NELSON HOWARD .....	Philadelphia
B.S. in Phar., Temple University School of Pharmacy	
KOHLER, FRANK ROBERT .....	Philadelphia
A.B., La Salle College	
LAHEY, ALLEN CHARLES .....	Lindenhurst, N.Y.
B.S. in Phar., Temple University School of Pharmacy	
LITWACK, RONALD IRWIN .....	Vineland, N.J.
B.S., Pennsylvania Military College	
MANLANDRO, JAMES JOSEPH, JR. ....	Philadelphia
B.S., Villanova University; M.S., University of Illinois	
MATTERA, ALFRED PETER .....	Haddonfield, N.J.
B.S. in Phar., Temple University School of Pharmacy	
MCNULTY, ROBERT JAMES .....	Philadelphia
A.B., La Salle College	

MICHELL, THEODORE WILLIAM .....	Chester, Pa.
B.S., Pennsylvania Military College	
MILLER, JEROME .....	Merion, Pa.
B.S. in Phar., Temple University School of Pharmacy	
MINTZ, MORRIS Y. .....	Philadelphia
B.S. in Phar., Rutgers University College of Pharmacy	
MURRAY, JOHN FRANCIS .....	Edgartown, Mass.
B.S. in Phar., St. John's University College of Pharmacy	
PETTINEO, JOHN ANTHONY .....	Philadelphia
A.B., La Salle College	
PICKERING, ERNEST, JR. .....	Philadelphia
A.B., Shelton College	
POWELL, JERRY GUY .....	West Decatur, Pa.
A.B., Houghton College	
REICH, WALTER GEIST, JR. .....	York, Pa.
B.S., Franklin and Marshall College	
RICHTER, NORMAN BRUCE .....	Philadelphia
B.S. in Phar., Philadelphia College of Pharmacy and Science	
RICKARDS, FRANCIS LEROY, JR. .....	Philadelphia
La Salle College, Moline Community College, Temple University	
ROCK, ANTHONY JAMES .....	Levittown, Pa.
B.S. in Phar., Temple University School of Pharmacy	
RONCO, DENNIS .....	Roseto, Pa.
B.S. in Phar., Philadelphia College of Pharmacy and Science	
ROTHSTEIN, JOSEPH .....	Brooklyn, N.Y.
B.S. in Phar., Long Island University (Brooklyn College of Pharmacy)	
SANDMAN, BARRY GORDON .....	Philadelphia
A.B., Temple University	
SANKER, RONALD JOSEPH .....	Philadelphia
B.S., St. Francis College	
SCHIOWITZ, EMANUEL .....	Brooklyn, N.Y.
B.S., New York University	
SILVERS, JACK MARTIN .....	Flushing, N.Y.
B.S., College of the City of New York	
SIMMERS, GERALD LLOYD .....	Campbelltown, Pa.
A.A., Hershey Junior College, Elizabethtown College	
SIMON, RICHARD MELVYN .....	Ellenville, N.Y.
A.B., Temple University	
SMITH, MELVYN EVAN .....	Philadelphia
A.B., Temple University	

SPECTOR, HARVEY MELVIN .....	Philadelphia
Temple University	
STATHAKIS, JOHN NICHOLAS .....	Jersey City, N.J.
A.B., La Salle College	
SUCHERT, ROBERT ERNEST .....	Philadelphia
A.B., B.S., University of Washington	
SYNKONIS, JOSEPH PAUL, III .....	Philadelphia
B.S., Pennsylvania State University	
WAITE, LEROY A., JR. ....	Rockaway, N.J.
A.B., B.S., Geneva College	
WINGFIELD, CHARLES DAVID .....	Washington, D.C.
A.B., Gettysburg College	
WOLFE, WARREN .....	Brooklyn, N.Y.
B.S. in Phar., Columbia University College of Pharmacy	
ZUKERMAN, HARVEY JAY .....	Wyncote, Pa.
B.S., Dickinson College	

**CLASS OF 1964**

AMSTER, BERNARD JOSEPH .....	Spring Valley, N.Y.
A.B., New York University	
ARONOW, IRVING BERNARD .....	Coney Island, N.Y.
B.S., Brooklyn College	
BASCOVE, MARTIN DAVID .....	Philadelphia
A.B., Temple University	
BERKOWITZ, IRVING .....	Havertown, Pa.
B.S., Muhlenberg College	
BOOKER, THURMAN DAVIS .....	Philadelphia
A.B., Temple University	
BRIDGES, CHARLES ROSCOE .....	Philadelphia
B.S., Howard University	
CATINELLA, CONCETTO LEONARD .....	Philadelphia
B.S. in Phar., Temple University School of Pharmacy	
COHEN, MYRON RICHARD .....	Bronx, N.Y.
A.B., New York University	
CONCORS, ALAN JOSEPH .....	Atlantic City, N.J.
A.B., Haverford College	
COOK, OSCAR RUSSELL .....	Duncannon, Pa.
Northeast Missouri State Teachers College	
CORDAS, STEVANE .....	Steelton, Pa.
B.S., Elizabethtown College	
D'ORAZIO, THEODORE PHILLIP .....	Blackwood, N.J.
B.S. in Phar., Philadelphia College of Pharmacy and Science	
DREIZEN, DAVID LLOYD .....	Flushing, L.I., N.Y.
B.S. in Phar., Long Island University (Brooklyn College of Pharmacy)	
DUFFY, JOHN FRANCIS, JR. .....	Fairview-Heights-Mountain-Top, Pa.
B.S., Kings College	
EFRAMO, FREDERICK WASEL .....	Springdale, Pa.
B.S. in Phar., Duquesne University	
EISENBERG, RONALD LEE .....	Philadelphia
Albright College	
FLEISHMAN, LEON .....	Philadelphia
B.S. in Phar., Philadelphia College of Pharmacy and Science	
FOOTE, THOMAS JOSEPH .....	Morrisville, Pa.
A.B., Catholic University	
FRONTON, LEONARD .....	Philadelphia
B.S. in Phar., Philadelphia College of Pharmacy and Science	
FUCHS, STEPHEN BERNARD .....	North Miami Beach, Florida
B.S., Muhlenberg College	

FURCI, DONALD RICHARD .....	North Merrick, L.I., N.Y.
B.S. in Phar., St. Johns University College of Pharmacy	
GABLE, FRANKLIN EDMUND .....	Sinking Spring, Pa.
B.S., Albright College	
GERBER, DAVID .....	Bayside, N.Y.
B.S. in Phar., Long Island University (Brooklyn College of Pharmacy)	
GIANFORTE, JOHN MARIO .....	New Haven, Conn.
University of Bridgeport; New Haven College	
GILLOTA, JOHN WILLIAM .....	Brecksville, Ohio
B.S., John Carroll University	
GILTMAN, SYLVAN LIONEL .....	Wanamassa, N.J.
B.S. in Phar., Temple University School of Pharmacy	
GINDER, MICHAEL FRANCIS, JR. ....	Trenton, N.J.
A.B., Seton Hall University	
GLICKMAN, NEIL P. ....	Philadelphia
B.S., St. Joseph's College	
GREIG, DONALD CHARLES .....	Newark, N.J.
A.B., Columbia University	
GROSSMAN, MICHAEL BLANK .....	Camden, N.J.
A.B., Rutgers University	
HARHIGH, GEORGE HARRY .....	Frackville, Pa.
B.S., The Pennsylvania State University	
HART, WILLIAM JAMES, JR. ....	Lansdowne, Pa.
B.S. in Phar., Philadelphia College of Pharmacy and Science	
HEIST, KENNETH PHILLIPS .....	Merion Station, Pa.
A.B., Syracuse University	
HENDERSON, ROBERT MEREDITH .....	Towanda, Pa.
B.S., Wilkes College	
HESSINGER, RAYMOND JOHN .....	Fogelsville, Pa.
B.S., Muhlenberg College	
HORVITZ, NORMAN .....	Philadelphia
B.S. in Phar., Philadelphia College of Pharmacy and Science	
ISAAC, ELIAS JOSEPH .....	Easton, Pa.
B.S. in Phar., Philadelphia College of Pharmacy and Science	
JABLONSKI, ADOLF HENRY .....	Trenton, N.J.
B.S., Villanova University	
JACOBS, GERALD .....	Jersey City, N.J.
B.S., Long Island University	
JOHNSON, LEONARD W. ....	Detroit, Mich.
B.S., Florida A&M University	
JOHNSON, ROBERT OLLIE, JR. ....	Washington, D.C.
B.S., Morgan State College	

KELBERG, BERNARD DAVID .....	Philadelphia
A.B., Temple University	
KELLEY, STANLEY CALVIN .....	Camden, N.J.
A.B., Rutgers University	
KLEIN, IRVING JAY .....	Bala-Cynwyd, Pa.
B.S., The Pennsylvania State University	
KUSHNER, PAUL GEORGE .....	Philadelphia
A.B., Temple University	
LEEDY, RICHARD FRANKLIN, JR. ....	Woodbury, N.J.
Gettysburg College; Temple University; American University	
LEEDY, WILLIAM ROWLAND .....	Woodbury, N.J.
B.S., Dickinson College	
LEMBO, JOSEPH NICHOLAS .....	Philadelphia
B.S., Pennsylvania Military College	
LEVINE, BERNARD .....	West Islip, N.Y.
B.S. in Phar., Long Island University (Brooklyn College of Pharmacy)	
LITTEN, NEIL .....	Philadelphia
A.B., Temple University	
LOCKLIN, NANCY GERALDINE .....	Havertown, Pa.
B.S., Temple University	
LOWNEY, CHARLES WILLIAM .....	Fall River, Mass.
B.S. in Phar., Temple University School of Pharmacy	
MYERS, ALLEN BAILE .....	Havertown, Pa.
B.S. in Phar., Philadelphia College of Pharmacy and Science	
MYSLIWIEC, GLENN ANTHONY .....	Silver Spring, Md.
B.S., Canisius College	
NADOLNY, MICHAEL THADDEUS .....	Buffalo, N.Y.
B.S., Niagara University	
O'BRIEN, BRENDAN JAMES .....	Eddystone, Pa.
B.S., Mount St. Mary's College	
PAPPAS, PLATON STEVE .....	Franklin Square, N.Y.
University of Bridgeport	
PARDALES, CLEMON, JR. ....	Bronx, N.Y.
B.S. in Phar., St. John's University College of Pharmacy	
PERRETTA, FRANK PAT .....	Coventry, R.I.
A.B., Boston University	
PETRIE, LOUIS JOSEPH .....	Drexel Hill, Pa.
A.B., University of Pennsylvania	
PODELL, JOEL CARL .....	Philadelphia
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